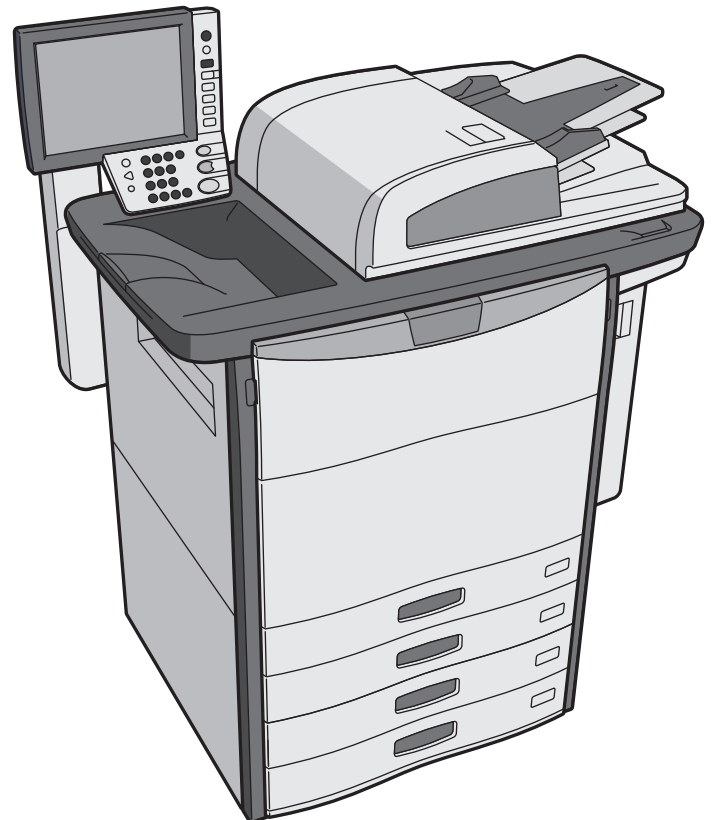


TOSHIBA

SERVICE MANUAL

MULTIFUNCTIONAL DIGITAL COLOR SYSTEMS
e-STUDIO5540C/6540C/6550C
e-STUDIO5560C/6560C/6570C



Model: FC-5540C/6540C/6550C/5560C/6560C/6570C
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GENERAL PRECAUTIONS REGARDING THE SERVICE FOR e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

The installation and service shall be done by a qualified service technician.

1. Transportation/Installation

- When transporting/installing the equipment, employ four persons and be sure to move it by the casters while lifting the stoppers.
The equipment is quite heavy and weighs approximately 245 kg (540.12 lb) or 246 kg (542.33 lb), therefore pay full attention when handling it.
- Be sure not to hold the movable parts or units (e.g. the control panel, ADU or RADF) when transporting the equipment.
- It is recommended to plug two power cables into two separate outlets. Be sure to use a dedicated outlet with AC 115 V / 20 A <for NAC/NAD>, 220-240 V / 10 A <for ASU, ASD, ARD, AUC/AUD, CND>, 220-240 V / 13 A <for <MJC/MJD> for its power source. If two power cables are plugged into a single outlet, be sure to use at least a 20 A one.
- The equipment must be grounded for safety.
- Select a suitable place for installation. Avoid excessive heat, high humidity, dust, vibration and direct sunlight.
- Provide proper ventilation since the equipment emits a slight amount of ozone.
- To insure adequate working space for the copying operation, keep a minimum clearance of 30 cm (11.8") on the left, 80 cm (32") on the right and 10 cm (4") on the rear.
- The equipment shall be installed near the socket outlet and shall be easily accessible.
- Be sure to fix and plug in the power cable securely after the installation so that no one trips over it.
- If the unpacking place and where the equipment is to be installed differ, perform image quality adjustment (automatic gamma adjustment) according to the temperature and humidity of the place of installation and the paper to be used.
- When the equipment is used after the option is removed, be sure to install the parts or the covers which have been taken off so that the inside of the equipment is not exposed.

2. General Precautions at Service

- Be sure to turn the power OFF and unplug the power cables during service (except for the service should be done with the power turned ON).
- Unplug the power cable and clean the area around the prongs of the plug and socket outlet once a year or more. A fire may occur when dust lies on this area.
- When the parts are disassembled, reassembly is the reverse of disassembly unless otherwise noted in this manual or other related documents. Be careful not to install small parts such as screws, washers, pins, E-rings, star washers, harnesses in the wrong places.
- Basically, the equipment should not be operated with any parts removed or disassembled.
- The PC board must be stored in an anti-electrostatic bag and handled carefully using an antistatic wrist strap since the ICs on it may be damaged due to static electricity.

Caution: Before using the antistatic wrist strap, unplug the power cable of the equipment and make sure that there are no charged objects which are not insulated in the vicinity.

- Avoid exposure to laser beam during service. This equipment uses a laser diode. Be sure not to expose your eyes to the laser beam. Do not insert reflecting parts or tools such as a screwdriver on the laser beam path. Remove all reflecting metals such as watches, rings, etc. before starting service.
- Be sure not to touch high-temperature sections such as the exposure lamp, fuser unit, damp heater and areas around them.
- Be sure not to touch high-voltage sections such as the chargers, transfer belt, 2nd transfer roller, developer, high-voltage transformer, exposure lamp control inverter, inverter for the LCD backlight and power supply unit. Especially, the board of these components should not be touched since the electric charge may remain in the capacitors, etc. on them even after the power is turned OFF.
- Make sure that the equipment will not operate before touching potentially dangerous places (e.g. rotating/operating sections such as gears, belts pulleys, fans and laser beam exit of the laser optical unit).
- Be careful when removing the covers since there might be the parts with very sharp edges underneath.
- When servicing the equipment with the power turned ON, be sure not to touch live sections and rotating/operating sections. Avoid exposing your eyes to laser beam.
- Use designated jigs and tools.
- Use recommended measuring instruments or equivalents.
- Return the equipment to the original state and check the operation when the service is finished.
- Be very careful to treat the touch panel gently and never hit it. Breaking the surface could cause malfunctions.
- Do not leave plastic bags where children can get at them. This may cause an accident such as suffocation if a child puts his/her head into a bag. Plastic bags of options or service parts must be brought back.
- There is a risk of an electric shock or fire resulting from the damage to the harness covering or conduction blockage. To avoid this, be sure to wire the harness in the same way as that before disassembling when the equipment is assembled/disassembled.

3. General operations

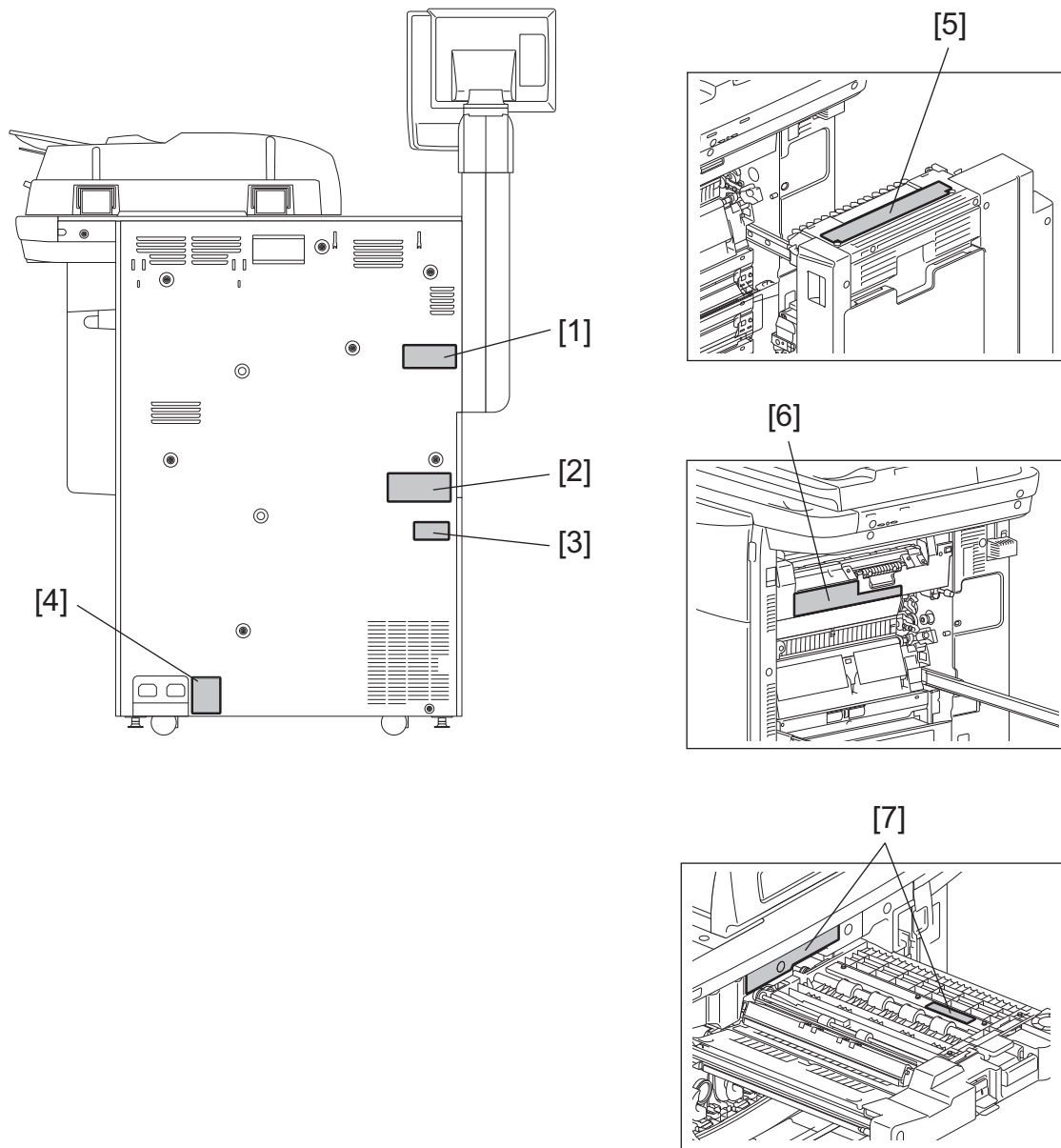
- Check the procedures and perform them as described in the Service Manual.
- Make sure you do not lose your balance.
- Avoid exposure to your skin and wear protective gloves as needed.

4. Important Service Parts for Safety

- The breaker, IH coil, door switch, fuse, thermostat, thermofuse, thermistor, batteries, IC-RAMs including lithium batteries, etc. are particularly important for safety. Be sure to handle/install them properly. If these parts are short-circuited and their functions become ineffective, they may result in fatal accidents such as explosion or burnout. Avoid short-circuiting and do not use parts not recommended by Toshiba TEC Corporation.

5. Cautionary Labels

During servicing, be sure to check the rating plate and cautionary labels to see if there is any dirt on their surface and if they are properly stuck to the equipment.



[1] Identification label

[2] Explanatory label

[3] Certification label

[4] Warning for grounding wire

[5] Warning for high temperature area (Duplexing unit / Fuser unit)

[6] Warning for high temperature area (Fuser unit)

[7] Warning for high temperature area (Bridge unit)

6. Disposal of the Equipment, Supplies, Packing Materials, Used Batteries and IC-RAMs

- Regarding the recovery and disposal of the equipment, supplies, packing materials, used batteries and IC-RAMs including lithium batteries, follow the relevant local regulations or rules.

Caution:

Dispose of used batteries and IC-RAMs including lithium batteries according to this manual.

Attention:

Se débarrasser de batteries et IC-RAMs usés y compris les batteries en lithium selon ce manuel.

Vorsicht:

Entsorgung der gebrauchten Batterien und IC-RAMs (inclusive der Lithium-Batterie) nach diesem Handbuch.

7. When the option has been installed:

When the EFI printer board has been installed, be sure to unplug the power cable before performing maintenance and inspection, otherwise troubles such as a communication error may occur.

8. Handling the heat pipe roller

- When discarding the heat pipe roller, do so after opening a hole from the axial edge of the D-cut side.
- Never attempt to incinerate it.

1. Precautions for Transporting Equipment Once Unpacked

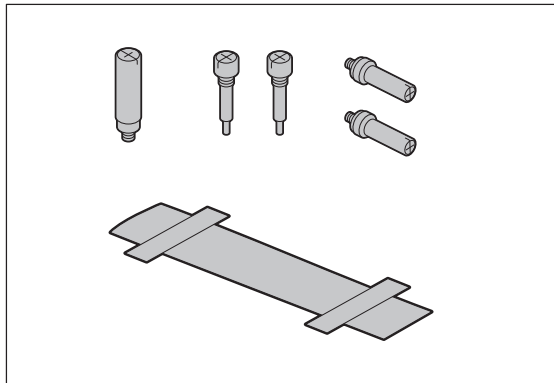
1.1 General Description

It is recommended to follow the procedure below when you transport equipment that has already been unpacked but has not been packed again. Note that the following procedure cannot guarantee the operation of the transported equipment.

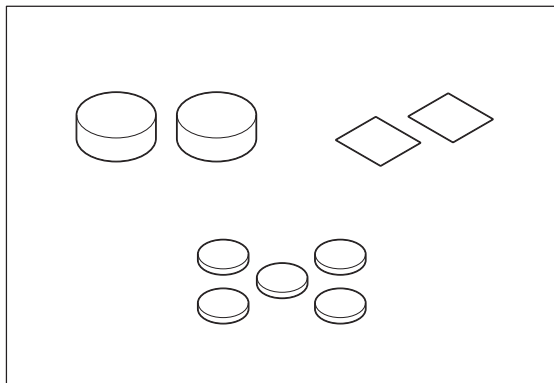
Item		Content
(1)	Gasket in Reversing Automatic Document Feeder (RADF)	Check that gaskets are not installed in the RADF. (If they are installed, remove them.)
(2)	Scanning section	Fix the scanning section.
(3)	Drum	Install a drum protection sheet.
(4)	Toner	Install sealing material on the toner supply opening of each toner cartridge.

Remarks:

- Keep packing material removed at unpacking to reuse it in steps (2) and (3) above.



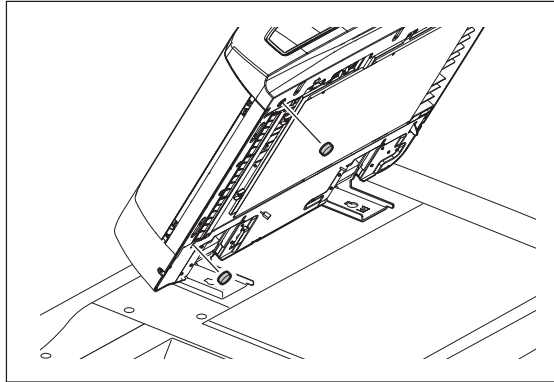
- Use a service jig PLATE-TONER-SEAL-4P (6LH035950, 4 pieces in 1 set) as sealing material to be used in step (4) above.
- Do not install the accessories shown below when unpacking the equipment.



2. Precautions and Procedures for Transporting Equipment

2.1 Checking gaskets in the RADF

The installation of gaskets to the RADF, which is described in the Unpacking Instructions, must not be performed when the equipment is unpacked but must be when it is reinstalled at a user's office. Do not install the gaskets in the equipment before transporting it because if it is transported with the gaskets installed, the screws fixing the scanner may contact with the gaskets and thus damage them.




2.2 Fixing the scanning section

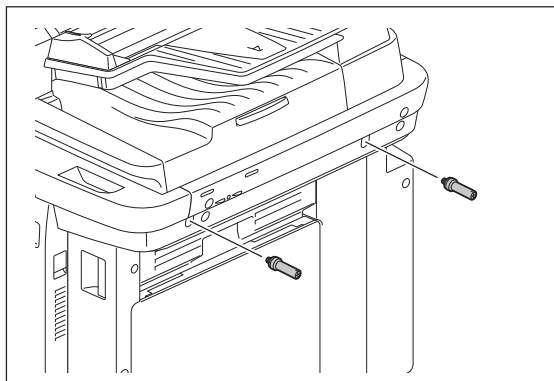
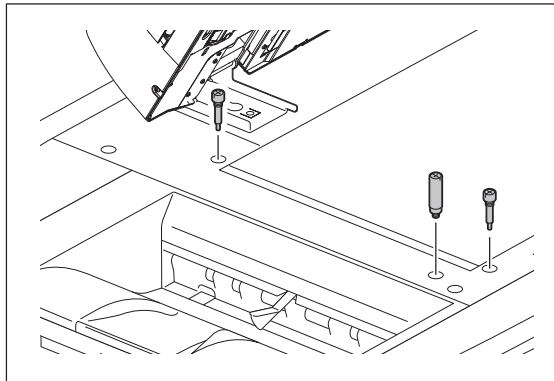
1. Move carriage-1 until it touches the left side of the frame. Then move it back to the right for 3 mm.

Notes:

Rotate a drive pulley by hand to move carriage-1.

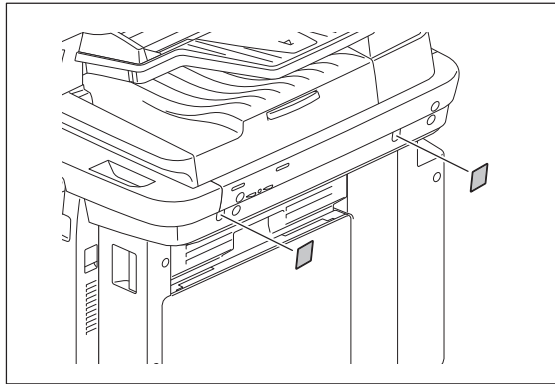
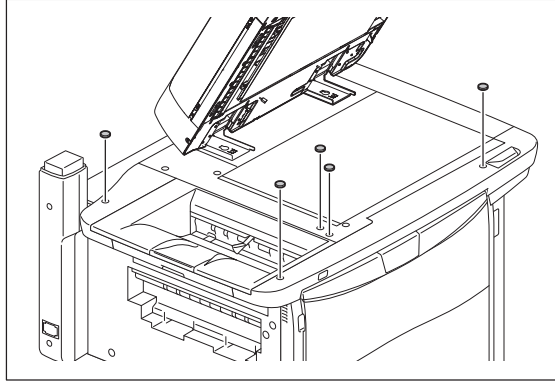
 P. 4-15"4.3 Scanner"

2. Reinstall 5 screws that were removed when unpacking the equipment.

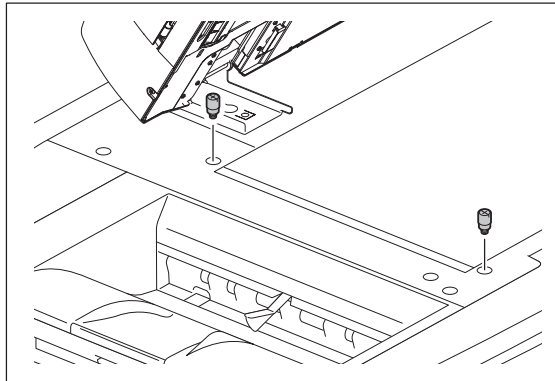


Notes:


- The installation of materials for covering the holes of the scanner fixing screws (e.g. rubber cap, blind seal), which is described in the Unpacking Instructions, must not be performed when the equipment is unpacked but must be when it is reinstalled at a user's office.

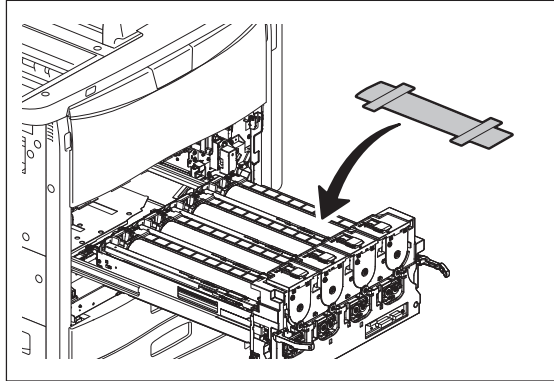


- The installation of grounding screws in the RADF, which is described in the Unpacking Instructions, must not be performed when the equipment is unpacked but must be when it is reinstalled at a user's office. Install them after you have removed the screws reinstalled in step (2).



2.3 Installing a drum protection sheet

1. Pull out the EPU tray.
 P. 4-91"4.6.1 Pulling out the process unit (EPU tray)"
2. Install a drum protection sheet on the K drum.



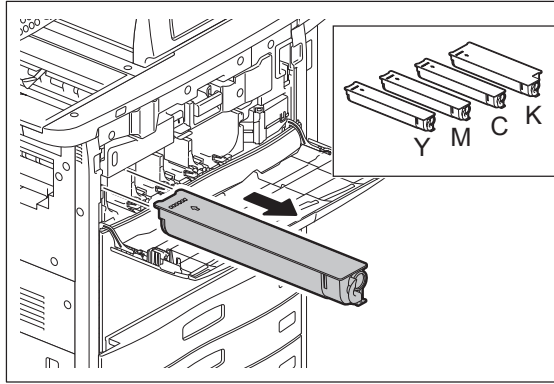
3. Push the EPU tray in, and then reassemble the equipment in the procedure reverse to disassembly.

Notes:

- It is recommended to keep the drum protection sheet removed at unpacking.
- Store the drum protection sheet in a place without high temperature and humidity, direct sunlight or dust.
- Do not scratch or bend the drum protection sheet. Avoid adhesion of dust, dirt or foreign matter, especially things that may damage the surface of the drums or the transfer belt (e.g. hard matter or matter that is highly adhesive, organic or chemical matter, grease) to the drum protection sheet.
- Do not use a drum protection sheet that is damaged or deformed, or one with any abnormality.

2.4 Installing the sealing material in toner supply opening

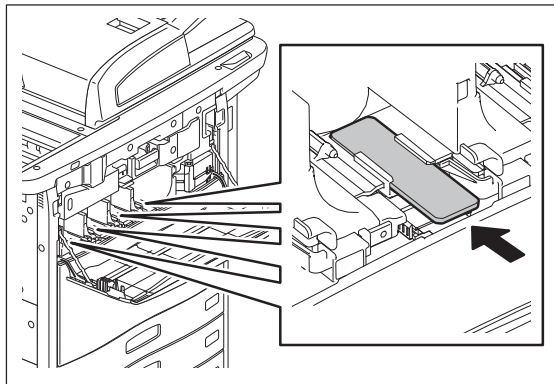
1. Open the front cover and then take off the toner cartridges (Y, M, C and K).



Notes:

The toner cartridges must not be installed while the equipment is being transported. Pack them separately from the equipment.

2. Install PLATE-TONER-SEAL-4P (6LH035950) in the toner supply opening of each toner cartridge. Then close the front cover.



Notes:

- Pay attention to prevent dust from entering into the toner supply openings.
- When installing PLATE-TONER-SEAL-4P (6LH035950), be careful not to scratch or remove the sponge that is already attached to the toner supply openings.

ALLEGEMEINE SICHERHEITSMASSNAHMEN IN BEZUG AUF DIE WARTUNG FÜR e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Die Installation und die Wartung sind von einem qualifizierten Service-Techniker durchzuführen.

1. Transport/Installation

- Zum Transportieren/Installieren des Gerätes werden 4 Personen benötigt. Bewegen Sie es mit den Rollen, während Sie die Absperrvorrichtungen heben. Das Gerät ist sehr schwer und wiegt etwa 245 kg oder 246 kg; deshalb muss bei der Handhabung des Geräts besonders aufgepasst werden
- Beim Transportieren des Geräts nicht an den beweglichen Teilen oder Einheiten (z.B. das Bedienungsfeld, die Duplexeinheit oder die automatische Dokumentenzuführung) halten.
- Es empfiehlt sich, zwei Stromkabel in zwei getrennten Steckdosen einzustecken. Eine spezielle Steckdose mit Stromversorgung von AC 115 V / 20 A (für NAC/NAD), 220-240 V / 10 A (für ASU, ASD, ARD, AUC/AUD, CND), 220-240 V / 13 A (für MJC/MJD) als Stromquelle verwenden. Mindestens eine 20A-Steckdose verwenden, wenn zwei Stromkabel in der selben Steckdose eingesteckt werden sollen.
- Das Gerät ist aus Sicherheitsgründen zu erden.
- Einen geeigneten Standort für die Installation wählen. Standorte mit zuviel Hitze, hoher Luftfeuchtigkeit, Staub, Vibrieren und direkter Sonneneinstrahlung sind zu vermeiden.
- Für ausreichende Belüftung sorgen, da das Gerät etwas Ozon abgibt.
- Um einen optimalen Kopierbetrieb zu gewährleisten, muss ein Abstand von mindestens 80 cm links, 80 cm rechts und 10 cm dahinter eingehalten werden.
- Das Gerät ist in der Nähe der Steckdose zu installieren; diese muss leicht zu erreichen sein.
- Nach der Installation muss das Netzkabel richtig hineingesteckt und befestigt werden, damit niemand darüber stolpern kann.
- Falls der Auspackungsstandort und der Installationsstandort des Geräts verschieden sind, die Bildqualitätsjustierung (automatische Gammajustierung) je nach der Temperatur und Luftfeuchtigkeit des Installationsstandorts und der Papiersorte, die verwendet wird, durchführen.
- Wenn das Gerät nach der Entfernung der Extras verwendet wird, die entfernten Teile oder Abdeckungen anbringen, damit das Innere des Gerät nicht freiliegt.

2. Allgemeine Sicherheitsmassnahmen in bezug auf die Wartung

- Während der Wartung das Gerät ausschalten und das Netzkabel herausziehen (ausser Wartung, die bei einem eingeschalteten Gerät, durchgeführt werden muss).
- Das Netzkabel herausziehen und den Bereich um die Steckerpole und die Steckdose die Umgebung in der Nähe von den Steckerzacken und der Steckdose wenigstens einmal im Jahr reinigen. Wenn Staub sich in dieser Gegend ansammelt, kann dies ein Feuer verursachen.
- Wenn die Teile auseinandergenommen werden, wenn nicht anders in diesem Handbuch usw erklärt, ist das Zusammenbauen in umgekehrter Reihenfolge durchzuführen. Aufpassen, dass kleine Teile wie Schrauben, Dichtungsringe, Bolzen, E-Ringe, Stern-Dichtungsringe, Kabelbäume nicht an den verkehrten Stellen eingebaut werden.
- Grundsätzlich darf das Gerät mit entfernten oder auseinandergenommenen Teilen nicht in Betrieb genommen werden.
- Das PC-Board muss in einer Anti-elektrostatischen Hülle gelagert werden. Nur Mit einer Manschette bei Betätigung eines Armbandes anfassen, sonst könnte es sein, dass die integrierten Schaltkreise durch statische Elektrizität beschädigt werden.

Vorsicht: Vor Benutzung der Manschette der Betätigung des Armbandes, das Netzkabel des Gerätes herausziehen und prüfen, dass es in der Nähe keine geladenen Gegenstände, die nicht isoliert sind, gibt.

- Setzen Sie sich während der Wartungsarbeiten nicht dem Laserstrahl aus. Dieses Gerät ist mit einer Laserdiode ausgestattet. Es ist unbedingt zu vermeiden, direkt in den Laserstrahl zu blicken. Keine reflektierenden Teile oder Werkzeuge, wie z. B. Schraubendreher, in den Pfad des Laserstrahls halten. Vor den Wartungsarbeiten sämtliche reflektierenden Metallgegenstände, wie Uhren, Ringe usw., entfernen.
- Auf keinen Fall Hochtemperaturbereiche, wie die Belichtungslampe, die Fixiereinheit, die Heizquelle und die umliegenden Bereiche, berühren.
- Auf keinen Fall Hochspannungsbereiche, wie die Ladeeinheiten, das Transferband, die zweite Transferwalze, die Entwicklereinheit, den Hochspannungstransformator, den Steuerumrichter für die Belichtungslampe, den Umrichter für die LCD-Hintergrundbeleuchtung und das Netzgerät, berühren. Insbesondere sollten die Platinen dieser Komponenten nicht berührt werden, da die Kondensatoren usw. auch nach dem Ausschalten des Geräts noch elektrisch geladen sein können.
- Vor dem Berühren potenziell gefährlicher Bereiche (z. B. drehbare oder betriebsrelevante Bereiche, wie Zahnräder, Riemen, Riemenscheiben, Lüfter und die Laseraustrittsöffnung der optischen Lasereinheit) sicherstellen, dass das Gerät sich nicht bedienen lässt.
- Beim Entfernen von Abdeckungen vorsichtig vorgehen, da sich darunter scharfkantige Komponenten befinden können.
- Bei Wartungsarbeiten am eingeschalteten Gerät dürfen keine unter Strom stehenden, drehbaren oder betriebsrelevanten Bereiche berührt werden. Nicht direkt in den Laserstrahl blicken.
- Ausschließlich vorgesehene Werkzeuge und Hilfsmittel verwenden.
- Empfohlene oder gleichwertige Messgeräte verwenden.
- Nach Abschluss der Wartungsarbeiten das Gerät in den ursprünglichen Zustand zurück versetzen und den einwandfreien Betrieb überprüfen.
- Das berührungsempfindliche Bedienungsfeld stets vorsichtig handhaben und keinen Stößen aussetzen. Wenn die Oberfläche beschädigt wird, kann dies zu Funktionsstörungen führen.
- Bewahren Sie Kunststofftüten kindersicher auf. Es besteht Erstickungsgefahr, wenn sich Kinder beim Spielen eine Kunststofftüte über den Kopf ziehen. Bitte nehmen Sie die Kunststofftüten von Optionen oder Serviceparts wieder zurück.
- Wenn der Schutzmantel eines Kabels oder die Steckerisolierung beschädigt werden, besteht Brandgefahr oder die Gefahr eines elektrischen Schlags. Um dies zu vermeiden, sollten Kabel in der gleichen Weise verlegt werden, wie sie vor der Demontage/dem Transport verlegt waren.

3. Allgemeine Sicherheitsmassnahmen

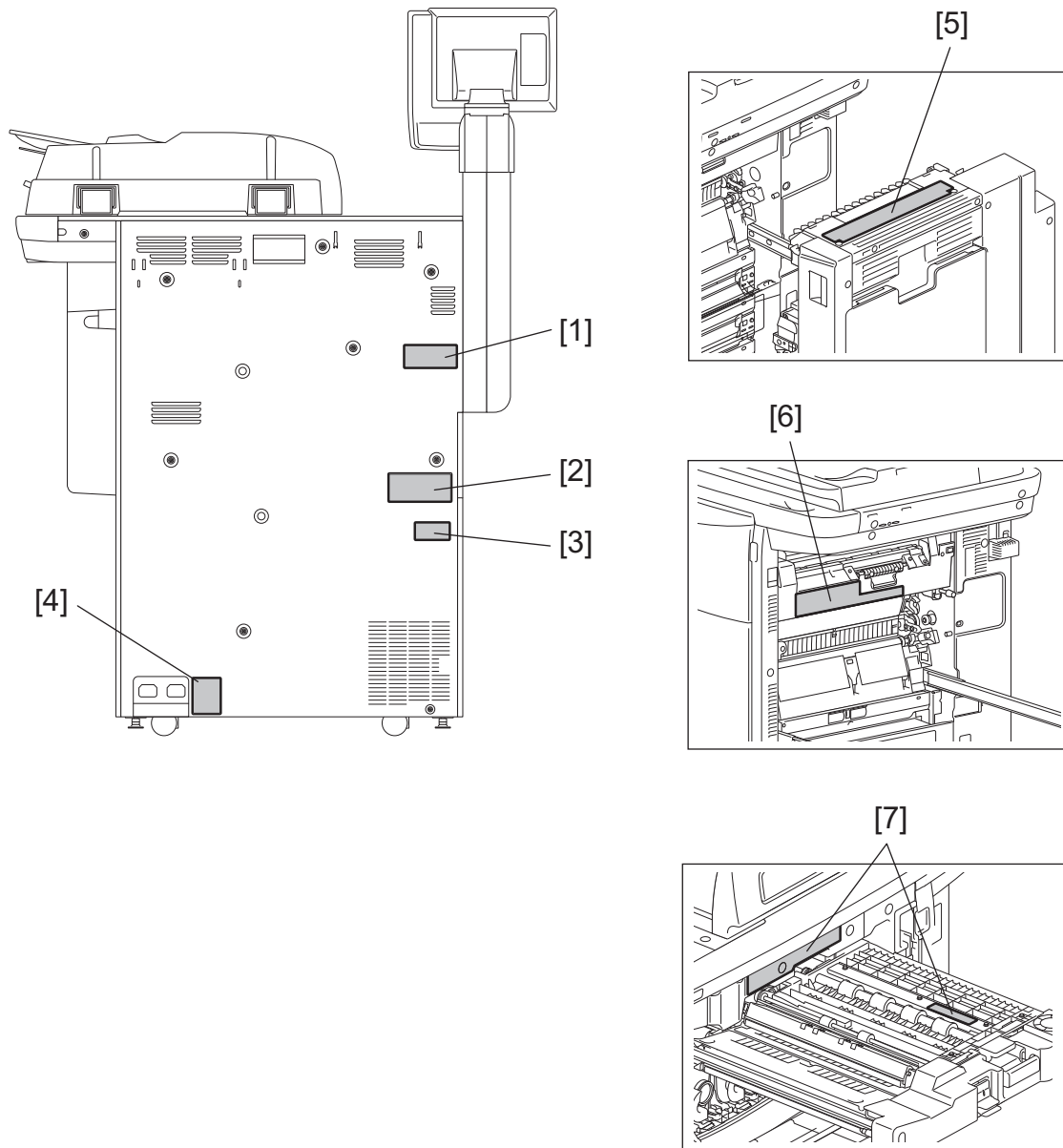
- Die Verfahren sind zu überprüfen und wie im Wartungshandbuch beschrieben durchzuführen.
- Vorsichtig, dass Sie nicht umfallen.
- Um Aussetzung zur Haut zu vermeiden, tragen Sie wenn nötig Schutzhandschuhe.

4. Sicherheitsrelevante Wartungsteile

- Der Leistungsschutzschalter, die IH-Spule, der Türschalter, die Sicherung, der Thermostat, die Thermosicherung, der Thermistor, der Akkus, die IC-RAMs einschließlich der Lithium-Batterie sind besonders sicherheitsrelevant. Sie müssen unbedingt korrekt gehandhabt und installiert werden. Wenn diese Teile kurzgeschlossen und funktionsunfähig werden, kann dies zu schwerwiegenden Schäden, wie einer Explosion oder einem Abbrand, führen. Kurzschlüsse sind zu vermeiden, und es sind ausschließlich Teile zu verwenden, die von der Toshiba TEC Corporation empfohlen sind.

5. Warnetiketten

- Im Rahmen der Wartung unbedingt das Leistungsschild und die Etiketten mit Warnhinweisen überprüfen, um sicherzustellen, dass sie nicht verschmutzt sind und korrekt am Gerät angebracht sind.



- 1) Erkennungsetikett
- 2) Erklärungsetikett
- 3) Klassifizierungsetikett
- 4) Warnung für Erdungskabel
- 5) Warnung für Bereiche mit hohen Temperaturen (Duplexeinheit / Fixiereinheit)
- 6) Warnung für Bereiche mit hohen Temperaturen (Fixiereinheit)
- 7) Warnung für Bereiche mit hohen Temperaturen (Brückeneinheit)

6. Entsorgung des Geräts, der Verbrauchs- und Verpackungsmaterialien, alter Akkus und IC-RAMs

- In Bezug auf die Entsorgung und Wiederverwertung des Geräts, der Verbrauchs- und Verpackungsmaterialien, alter Akkus und IC-RAMs, einschließlich Lithiumakkus, sind die einschlägigen nationalen oder regionalen Vorschriften zu befolgen.

Caution:

Dispose of used batteries and IC-RAMs including lithium batteries according to this manual.

Attention:

Se débarrasser de batteries et IC-RAMs usés y compris les batteries en lithium selon ce manuel.

Vorsicht:

Entsorgung der gebrauchten Batterien und IC-RAMs (inclusive der Lithium-Batterie) nach diesem Handbuch.

- Laseremissionseinheit

Diese Einheit besteht aus der Laserdiode, dem Fokussierobjektiv, der Blende und dem Zylinderobjektiv.

Laserdiode

Diese Laserdiode zeichnet sich durch eine geringe Regeldifferenz, eine kleine Laservariation und einen niedrigen Schwellenstrom aus.

Die Blende der Laseremissionseinheit ist unter dem Fokussierobjektiv angeordnet, um die Form der Laserstrahlen in der primären und sekundären Scanrichtung festzulegen.

Die Laserdiode gibt Laserstrahlen als Reaktion auf die Signale der Laseremissionssteuerung (ein/aus) von der Lasertreiber-PC-Platine (LDR) aus. Die durch das Fokussierobjektiv geführten Laserstrahlen werden auf die Trommeloberfläche fokussiert.

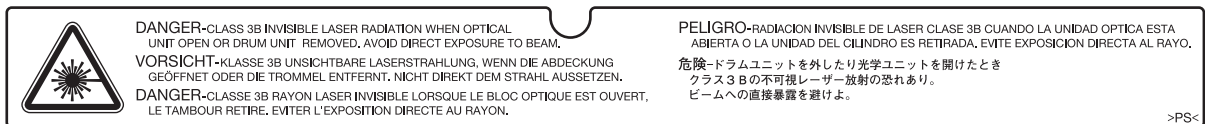
Vorsichtsmaßnahmen im Zusammenhang mit Lasern

Dieses Gerät enthält eine Laserdiode, die einen unsichtbaren Laserstrahl emittiert.

Da man diesen Laserstrahl nicht sehen kann, ist bei der Handhabung der Komponenten der optischen Lasereinheit, bei der Durchführung von Arbeiten und bei der Justierung des Laserstrahls äußerste Vorsicht geboten. Arbeiten dürfen niemals anhand anderer als den vorgeschriebenen Anleitungen durchgeführt werden; andernfalls kann es zu einer Schädigung Exposition durch Laserstrahlung kommen.

Die Lasereinheit ist vollständig mit einer Schutzabdeckung versiegelt. Solange ausschließlich die Arbeitsschritte der vorgeschriebenen Anleitungen durchgeführt werden, tritt der Laserstrahl nicht aus, und es besteht keine Gefahr, der Laserstrahlung ausgesetzt zu werden.

Das folgende Laser-Warnetikett ist an der Abdeckung vorne rechts angebracht.



Warnhinweise:

Setzen Sie sich während der Wartungsarbeiten nicht dem Laserstrahl aus.

Dieses Gerät ist mit einer Laserdiode ausgestattet. Es ist unbedingt zu vermeiden, direkt in den Laserstrahl zu blicken. Keine reflektierenden Teile oder Werkzeuge, wie z. B. Schraubendreher, in den Pfad des Laserstrahls halten. Vor den Wartungsarbeiten sämtliche reflektierenden Metallgegenstände, wie Uhren, Ringe usw., entfernen.

Bei Wartungsarbeiten am eingeschalteten Gerät dürfen keine unter Strom stehenden, drehbaren oder betriebsrelevanten Bereiche berührt werden. Nicht direkt in den Laserstrahl blicken.

Im Rahmen der Wartung unbedingt das Leistungsschild und die Etiketten mit Warnhinweisen überprüfen [z. B. „Unplug the power cable during service“ („Netzkabel vor Beginn der Wartungsarbeiten abziehen“), „CAUTION. HOT“ („VORSICHT, HEISS“), „CAUTION. HIGH VOLTAGE“ („VORSICHT, HOCHSPANNUNG“), „CAUTION. LASER BEAM“ („VORSICHT, LASER“) usw.], um sicherzustellen, dass sie nicht verschmutzt sind und korrekt am Gerät angebracht sind.

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1. FEATURE

1.1 Main Feature of e-STUDIO5540C/6540C/6550C

- The open platform interface using Web Service is embedded.
- The energy saving feature is included. The electrical power in the sleep mode is reduced to 5W (approx. 1/5)
- The image quality is improved as a result of the elimination of the fluctuation in the 2nd transfer section. This is due to the change in the drive position of the transfer belt.
- A single IH coil and a heat pipe roller are adopted.
- Adopting the new toner fusing at low temperature expands the color reproduction range and improves the gloss of the toner.
- The life of the developer material is lengthened and the service cost for the replacement is reduced due to the new self-refreshing development system.
- Replacing toner cartridges and supplying paper to the tandem LCF can be performed while the equipment is being operated.
- The SVGA large color LCD (10.4 inches) is adopted for the touch panel.
- A maximum of 256 g/m² (94.5 lb. Cover) thick paper for the drawers, LCF and tandem LCF, and 300 g/m² (165.7 lb. Index) for the bypass tray can be accepted.
- Special paper, such as long size (length: 484 - 1200mm), waterproof and tab paper is available.

1.2 Main Feature of e-STUDIO5560C/6560C/6570C

- The energy saving feature is included. Complies with Energy Star V2.0
- High security performance is included. (IEEE2600.1 supported / ISO15408 EAL3+ certified)
- A security HDD (320 GB) is embedded as a standard.

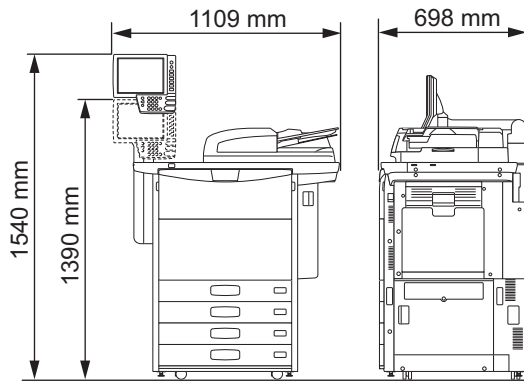
2. SPECIFICATIONS/ACCESSORIES/OPTIONS/SUPPLIES

2.1 Specifications

2.1.1 General

2

Type	Console	
Original glass	Fixed	
Color	Full color, Twin color	
Copy process	Indirect electrophotographic process	
Developing system	2-component magnetic brush developing (Self-refreshing development)	
Fixing method	External IH heating fusing and heat pipe roller soaking systems	
Photosensor type	OPC	
Original scanning sensor	Linear CCD sensor	
Scanning light source	Xenon lamp	
Resolution	Scanning	600 dpi × 600 dpi
	Writing	2400 dpi × 600 dpi (Black-and-white) 600 dpi × 600 dpi (Color, Gray scale)
Gradation	256	
Paper feeding	4 drawers + Bypass feeding + LCF (optional) 2 drawers + Bypass feeding + Tandem LCF + LCF (optional)	
Paper supply	Drawers	Stack height 60 mm, equivalent to 540 sheets; 80 g/m ² (23 lb. Bond)
	Bypass feeding	Stack height 11 mm, equivalent to 100 sheets; 80 g/m ² (23 lb. Bond)
	LCF (optional)	Stack height 290 mm, equivalent to 2500 sheets; 80 g/m ² (23 lb. Bond)
	Tandem LCF	Stack height 270 mm, equivalent to 2360 sheets; 80 g/m ² (23 lb. Bond)
Paper size	Drawers	A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO, 8K, 16K, 16K-R, A3Wide (305 x 457 mm), SRA3 (320 x 450 mm), 320 x 460 mm, LD, LG, LT, LT-R, ST-R, COMPUTER, 13"LG, 8.5" x 8.5", Full Bleed (12" x 18")
	Bypass feeding	A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO, 8K, 16K, 16K-R, A3Wide (305 x 457 mm), SRA3 (320 x 450 mm), 320 x 460 mm, 330 x 483mm*, LD, LG, LT, LT-R, ST-R, COMPUTER, 13"LG, 8.5" x 8.5", Full Bleed (12" x 18"), 13" x 19"*, Non-standard (Copy): Width 100 - 297 mm (3.9 - 11.7"), Length 148 - 432 mm (5.8 - 17") Non-standard (Print): Width 100 - 313.4 mm (3.9 - 12.34), Length 148 - 1200 mm (5.8 - 47.24)"* * Note that black streaks may appear on the edge of the printed paper.
	LCF (optional)	A4, LT, B5, A5-R, ST-R
	Tandem LCF	A4, LT
	Paper type	Drawers
Paper weight	Bypass feeding	Plain paper, Recycled paper, Thick 1, Thick 2, Thick 3, Thick 4, Sticker labels, OHP film, Tab paper, Water proof paper, Extra large paper
	LCF (optional)	Plain paper, Recycled paper, Thick 1, Thick 2, Thick 3
	Tandem LCF	
Paper weight	Drawers	64 g/m ² to 256 g/m ² (17 lb. Bond to 80 lb. Cover)
	Bypass feeding	64 g/m ² to 300 g/m ² (17 lb. Bond to 110 lb. Cover)
	LCF (optional)	64 g/m ² to 256 g/m ² (17 lb. Bond to 80 lb. Cover)
	Tandem LCF	

Automatic duplexing unit	Type	Stackless, Switchback type
	Acceptable paper size	A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO, 8K, 16K, 16K-R, A3Wide (305 x 457mm), SRA3 (320 x 450mm), 320 x 460mm, LD, LG, LT, LT-R, ST-R, COMPUTER, 13"LG, 8.5" x 8.5", Full Bleed (12" x 18")
	Acceptable paper weight	64 g/m ² to 256 g/m ² (17 lb. Bond to 80 lb. Cover)
Toner supply		Cartridge Type
Toner density adjustment		Magnetic auto-toner system + Pixel counter control system
Total counter		Electronical counter
Memory (RAM)	Main memory	1 GB
	Page Memory	1 GB
HDD		80GB (For hard drives, GB means 1 billion bytes.) e-STUDIO5540C/6540C/6550C
		320GB (For hard drives, GB means 1 billion bytes.) e-STUDIO5560C/6560C/6570C
Account Codes		10,000 codes
Department Codes		1,000 codes
Warm-up time		Approx. 180 sec. (Stand-alone, temperature: 20 °C)
Dimensions of the equipment		<p>W 1109 x D 698 x H 1540 (mm) <max.> W 1109 x D 698 x H 1390 (mm) <min.></p> 
Weight	4 drawers model	Approx. 244 kg (537.92 lb.) (equipment including drum)
	Tandem LCF model	Approx. 243 kg (535.72 lb.) (equipment including drum)

Power requirements				
		NAC/NAD	ASU, ASD, ARD, AUC/AUD, CND	MJC/MJD
Rated voltage		AC 115 V	AC 220-240 V	AC 220-240 V
		* The acceptable value of each voltage is $\pm 10\%$.		
Rated frequency		50/60 Hz	50/60 Hz	50/60 Hz
Rated current	e-STUDIO5540C	16 A	10 A	13 A
	e-STUDIO6540C	18.5 A		
	e-STUDIO6550C			
	e-STUDIO5560C	16 A	10 A	10 A
	e-STUDIO6560C	18.5 A		
	e-STUDIO6570C			
Power consumption	e-STUDIO5540C	2.0 kW or less	2.4 kW or less	3.2 kW or less
	e-STUDIO6540C	2.2 kW or less		
	e-STUDIO6550C			
	e-STUDIO5560C	2.0 kW or less	2.4 kW or less	2.4 kW or less
	e-STUDIO6560C	2.2 kW or less		
	e-STUDIO6570C			
* The electric power is supplied to the Finisher and LCF through the equipment.				

2.1.2 Copy

[1] Copy specifications

Storage capacity		Max. 1000 sheets or until the memory is full
Original glass	Original scanning system	Flat surface scanning system (the left rear corner used as guide to place originals)
	Original type	Sheets, books and 3-dimensional objects
	Original size	Max. A3/LD
Reversing Automatic Document Feeder	Original scanning system	Fixed scanning system by feeding the original (the center used as guide to place originals)
	Original type	Sheets (carbon, bounded or stapled originals cannot be accepted)
	Original size	A3, A4, A4-R, A5-R, B4, B5, B5-R LD, LG, LT, LT-R, ST-R
	Original paper weight	Single-sided copy: 35-209 g/m ² (9.3 lb. Bond -110 lb. Index)* Double-sided copy: 50-157 g/m ² (13.3 lb. Bond -40 lb. Bond) * You may not obtain enough image quality when an original with a paper weight of more than 157 g/m ² (41.8 lb.) is used.
	Original capacity	Max. 100 sheets (80 g/m ²) (Stack height 16 mm)
Eliminated portion	Black copy	Leading edges: 4.2 (+2.8 / -1.2) mm, Trailing edges: 3.0 (±2.0) mm, Side edges: 2.0 (±2.0) mm
	Color copy	Leading edges: 5.0 (±2.0) mm, Trailing edges: 3.0 (±2.0) mm, Side edges: 2.0 (±2.0) mm
Multiple copying		Up to 9999 copies; Key in set numbers
Type		Desktop type (Console type: when optional Paper Feed Pedestal (PFP) or optional Large Capacity Feeder (LCF) is installed.)
Original table		Fixed type (the left rear corner used as guide to place originals)

[2] First copy time

e-STUDIO5540C e-STUDIO5560C	Black	Approx. 5.3 sec.
	Color	Approx. 6.5 sec.
e-STUDIO6540C e-STUDIO6560C	Black	Approx. 5.3 sec.
	Color	Approx. 6.5 sec.
e-STUDIO6550C e-STUDIO6570C	Black	Approx. 4.6 sec.
	Color	Approx. 6.5 sec.

[3] Copy speed (Copies/min.)

* “-” means “Not acceptable”.

* When originals are manually placed for single-sided, continuous copying.

* The values in () can be realized in the color mode.

[3-1] Plain paper1 / Plain paper2

- Plain paper1: 64 g/m² to 80 g/m² / 17 lb. Bond to 21.3 lb. Bond
- Plain paper2: 81 g/m² to 105 g/m² / 21.6 lb. Bond to 28 lb. Bond

e-STUDIO5540C, e-STUDIO5560C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	55 (55)	46 (46)	17 (17)	55 (55)	55 (55)
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	38 (38)	35 (35)	17 (17)	-	-
B4, LG, FOLIO, COMPUTER	29 (29)	27 (27)	17 (17)	-	-
A3, LD	27 (27)	24 (24)	17 (17)	-	-
305 x 457mm, SRA3 (320 x 450mm)	25 (25)	20 (20)	-	-	-

e-STUDIO6540C, e-STUDIO6560C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	65 (65)	48 (48)	18 (18)	65 (65)	65 (65)
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	46 (46)	36 (36)	18 (18)	-	-
B4, LG, FOLIO, COMPUTER	31 (31)	28 (28)	18 (18)	-	-
A3, LD	30 (30)	25 (25)	18 (18)	-	-
305 x 457mm, SRA3 (320 x 450mm)	27 (27)	21 (21)	-	-	-

e-STUDIO6550C, e-STUDIO6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	75 (65)	52 (48)	20 (18)	75 (65)	75 (65)
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	54 (46)	38 (36)	20 (18)	-	-
B4, LG, FOLIO, COMPUTER	39 (31)	30 (28)	20 (18)	-	-
A3, LD	37 (30)	27 (25)	20 (18)	-	-
305 x 457mm, SRA3 (320 x 450mm)	31 (31)	23 (21)	-	-	-

[3-2] Thick 1 / Thick 2

- Thick 1: 106 g/m² to 163 g/m² / 28 lb. Bond to 60 lb. Cover (90 lb. Index)
- Thick 2: 164 g/m² to 209 g/m² / 61 lb. Cover to 77.3 lb. Cover (115.7 lb. Index)

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	32 (32)	26 (26)	8 (8)	32 (32)	32 (32)
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	23 (23)	20 (20)	8 (8)	-	-
B4, LG, FOLIO, COMPUTER	15.5 (15.5)	13 (13)	8 (8)	-	-
A3, LD	13.5 (13.5)	11 (11)	8 (8)	-	-
305 x 457mm, SRA3 (320 x 450mm)	12 (12)	9 (9)	-	-	-

[3-3] Thick 3

- Thick 3: 210 g/m² to 256 g/m² / 77.3 lb. Cover to 94.5 lb. Cover (141.4 lb. Index)

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	32 (21)	26 (17)	8 (5)	32 (21)	32 (21)
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	23 (15)	20 (13)	8 (5)	-	-
B4, LG, FOLIO, COMPUTER	15.5 (10.5)	13 (9.5)	8 (5)	-	-
A3, LD	13.5 (9)	11 (8)	8 (5)	-	-
305 x 457mm, SRA3 (320 x 450mm)	12 (8)	9 (6)	-	-	-

[3-4] Thick 4

- Thick 4: 257 g/m² to 300 g/m² / 94.5 lb. Cover to 110 lb. Cover

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	-	26 (17)	8 (5)	-	-
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	-	20 (13)	8 (5)	-	-
B4, LG, FOLIO, COMPUTER	-	13 (9.5)	8 (5)	-	-
A3, LD	-	11 (8)	8 (5)	-	-
305 x 457mm, SRA3 (320 x 450mm)	-	9 (6)	-	-	-

[3-5] Special paper 1

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	-	6 (6)	1.5 (1.5)	-	-
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	-	4.5 (4.5)	1.5 (1.5)	-	-
B4, LG, FOLIO, COMPUTER	-	3 (3)	1.5 (1.5)	-	-
A3, LD	-	2.5 (2.5)	1.5 (1.5)	-	-
305 x 457mm, SRA3 (320 x 450mm)	-	2 (2)	1.5 (1.5)	-	-

[3-6] Special paper 2

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	-	17 (17)	5 (5)	-	-
B5, A5-R, ST-R					-
A4-R, B5-R, LT-R	-	13 (13)	5 (5)	-	-
B4, LG, FOLIO, COMPUTER	-	9.5 (9.5)	5 (5)	-	-
A3, LD	-	8 (8)	5 (5)	-	-
305 x 457mm, SRA3 (320 x 450mm)	-	6 (6)	-	-	-

[3-7] OHP film

e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C

Paper supply Paper size	Drawer	Bypass feed		Option LCF	Tandem LCF
		Size specified	Size not specified		
A4, LT	-	17 (17)	5 (5)	-	-

[4] System copy speed

Copy mode		Sec.		
		e-STUDIO5540C e-STUDIO5560C	e-STUDIO6540C e-STUDIO6560C	e-STUDIO6550C e-STUDIO6570C
Single-sided originals ↓ Single-sided copies	1 set	17.49 (18.69)	16.84 (17.22)	14.05 (17.22)
	3 sets	36.10 (40.28)	35.20 (35.39)	30.01 (35.39)
	5 sets	60.74 (61.79)	53.52 (53.67)	45.84 (53.67)
Single-sided originals ↓ Double-sided copies	1 set	22.00 (23.18)	20.51 (22.01)	22.15 (22.01)
	3 sets	43.62 (44.76)	38.85 (40.27)	38.05 (40.27)
	5 sets	65.20 (66.25)	57.13 (58.50)	53.90 (58.50)
Double-sided originals ↓ Double-sided copies	1 set	39.90 (41.32)	38.73 (40.29)	37.52 (40.29)
	3 sets	83.15 (84.46)	75.34 (76.81)	69.24 (76.81)
	5 sets	126.32 (127.44)	112.03 (113.28)	100.88 (113.28)
Double-sided originals ↓ Single-sided copies	1 set	34.60 (35.93)	34.50 (35.70)	33.71 (35.70)
	3 sets	77.84 (78.99)	71.15 (72.18)	65.45 (72.18)
	5 sets	121.12 (122.20)	107.81 (108.57)	97.08 (108.57)

- * Shows the period of time from when the [START] button is pressed until the message "Ready" is displayed. (10 sheets of A4/LT size original are set on the RADF and one of the copy modes above is selected.)
- * Setting: when in the Text/Photo mode with Automatic density and APS/AMS set to OFF, or when in the sort mode with paper fed from the 1st drawer.
- * The Saddle Stitch Finisher and hole punch unit not installed.
- * The values in () are the speeds of when in the color mode.

2.1.3 Print

Page Description Language (Printer Driver)		PCL6, PostScript 3 emulation, XPS
Page Description Language (RIP)		PCL6, PostScript 3 emulation, XPS, PCL5e, PCL5c, PDF (emulation)
Supported OS		Windows Vista / 7 / 8 / Server 2003 / Server 2008 Mac OS X (Ver.10.2 or higher) Solaris (SUN) / HP-UX / AIX (IBM) / Linux / SCO
Resolution	Black	600 x 600 dpi, 8bit 1200 x 1200 dpi, 2bit (PS only)
	Color	600 x 600 dpi, 8bit 1200 x 1200 dpi, 2bit (PS only)
Eliminated portion	Black print / Color print	Leading edges: 4.2 (+2.8 / -1.2) mm, Trailing edges: 4.2 (+1.2 / -2.8) mm, Side edges: 4.2 (±2.0) mm
Interface	Standard	USB 2.0 (High Speed), Ethernet (10BASE-T/100BASE-TX/1000BASE-T)
	Optional	WLAN (IEEE 802.11b/g)

2.1.4 Scan

Scanning speed	Black	62 sheets/min. (Text/Photo: 600 x 600 dpi) 62 sheets/min. (Gray scale: 600 x 600 dpi)
	Color	53 sheets/min. (Text/Photo)
Resolution	100, 150, 200, 300, 400 and 600 dpi	
Color mode	BLACK, GRAY SCALE, FULL COLOR, AUTO COLOR	
Original mode	[TEXT], [TEXT/PHOTO], [PHOTO], [PRTD IMAGE]	
File formats	JPEG, Multi/Single page TIFF, Multi/Single page PDF, Slim PDF, Multi/Single page XPS	

* When scanning single-sided A4/LT landscape originals using RADF

2.1.5 e-Filing

Number of Boxes	Public Box	1
	User Box	200
Number of Folder	100 folders per box	
Number of Document	400 documents per box/folder	
Number of Page	200 pages per document	
Capacity of HDD	e-Filing	14 GB

2.1.6 Internet Fax

[1] Internet FAX transmission

Resolution	TX Resolution < dots/mm >	Standard (8 x 3.85), Fine (8 x 7.7), U-Fine (16 x 15.4)* * If U-Fine is selected in TX resolution, data is converted to Fine resolution in RX.
Scanning	Original Document Size	A3, B4, A4, A4-R, A5, B5, B5-R, A5-R, LT, LT-R, LG, LD, ST, ST-R, Computer, Folio
	Speed	0.7sec. (per page/A4) Max.50 spm (ITU-T No.1, A4, 8 x 3.85,Text mode)
	Gray scale	256 levels (Error Diffusion)
Address book	Address Book	1000 stations
	Group	Max. 200 stations
Transmission Features	Broadcast transmission	Max. 400 destinations/job. (Fax number and E-mail address are available to registered in same job.)
	Message size limitation	Max. 100M Byte
	Message division	Page by page

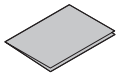

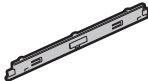

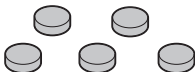


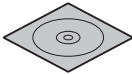
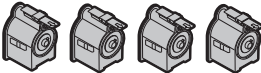
[2] Internet FAX receiving

Format of receive attachment	TIFF-FX (Profile S, F, J)
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2.1.7 Network Fax

Compatibility		Super G3, G3 (ITU-T.30) Internet Fax (Simple mode) (ITU-T.37)
TX Resolution	PSTN	Standard: 200 x 100 dpi, Fine: 200 x 200 dpi, Super Fine: 200 x 400 dpi, Ultra Fine: 400 x 400 dpi
	Internet Fax	200 dpi x 200 dpi
Original Document Size		A3, B4, A4, B5, A5, LT, LG, LD, ST, Folio, Computer
Mail Box	User defined	Max. 300 boxes
Routed document format	Send to e-Filing	MMR
	Send to File (SMB)	Single TIFF, Multi-TIFF, Single PDF, Multi PDF
	Send to FTP	Single TIFF, Multi-TIFF, Single PDF, Multi PDF
	Send to E-mail	Single TIFF, Multi-TIFF, Single PDF, Multi PDF
	Send to I-Fax	TIFF-S
	Send to PSTN-FAX	MMR

2.2 Accessories

Unpacking/Setup instruction		1 set
Operator's manual		1 set <ul style="list-style-type: none"> • Safety Information: 1 manual • Quick Start Guide: 1 manual
Original feeding tray spacer		1 pc.
Power cable		MJC / MJD 1 pc. <e-STUDIO5540C, e-STUDIO5560C/6560C/6570C> 2 pcs. <e-STUDIO6540C/6550C> ASU, ASD, ARD, AUC / AUD, CND 1 pc.
Warranty sheet		1 pc. (for NAC / NAD)
Setup report		1 set (for NAC / NAD, MJC / MJD, CND)
PM sticker		1 pc. (for MJC / MJD)
Cleaning cloth		1 pc.
Cloth case		1 pc.
Rubber plug		5 pcs.
Gasket		2 pcs.
Blind seal		2 pcs.
DVD		1 pc. Client Utilities / User Documentation DVD
Developer material (Y, M, C, K)		1 pc. each

* Machine version

NAC / NAD: North America, Brazil

MJC / MJD: Europe

AUC / AUD: Australia

ASD: Asia, Hong Kong, Latin America

ASU: Saudi Arabia, Asia

ARD: Argentina

CND: China

Notes:

Check that the above accessories are correctly co-packed at the time of unpacking.

2.3 System List (e-STUDIO5540C/6540C/6550C)

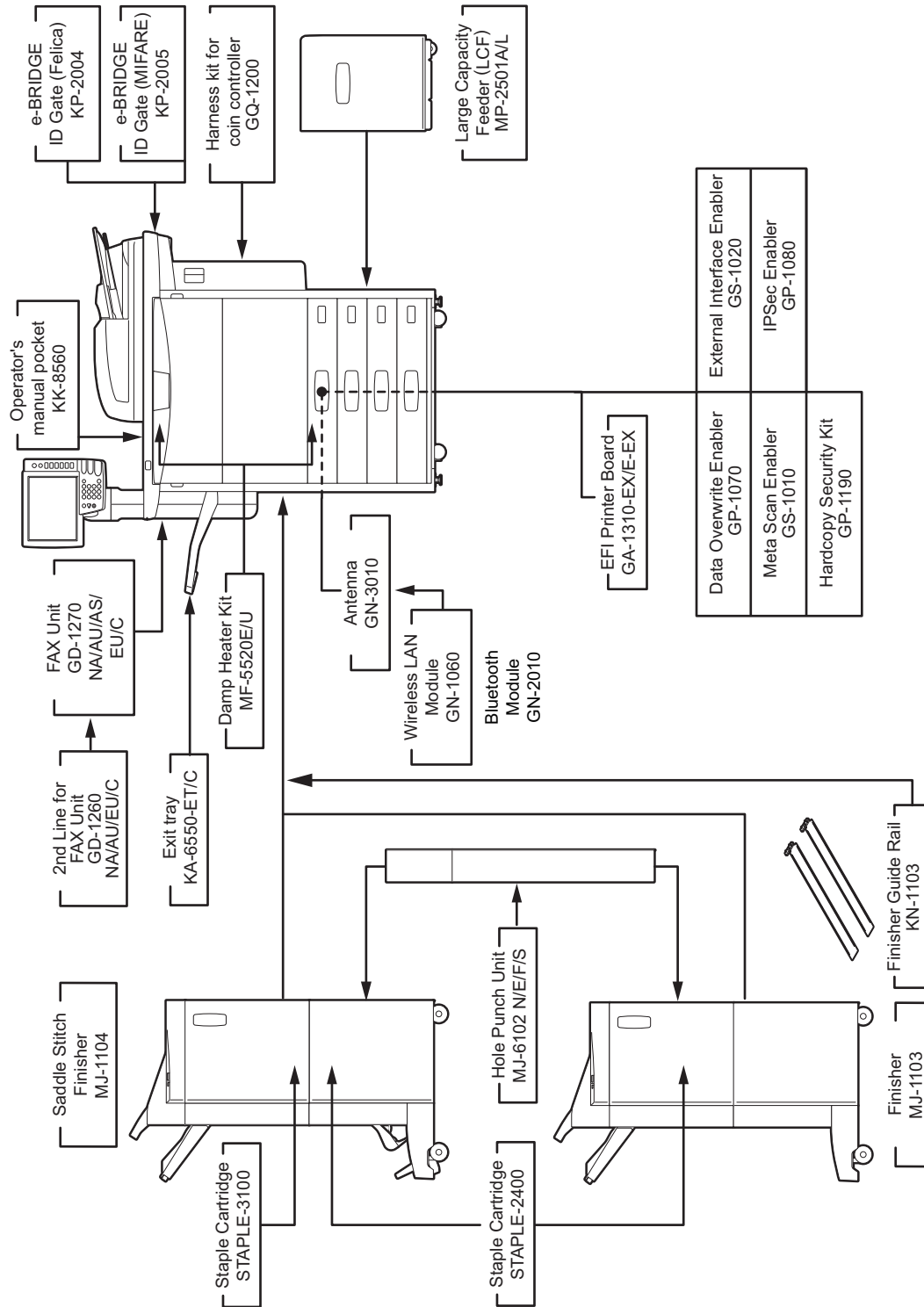


Fig. 2-1

Notes:

The antenna (GN-3010) is necessary to enable the wireless LAN module (GN-1050).

2.4 System List (e-STUDIO5560C/6560C/6570C)

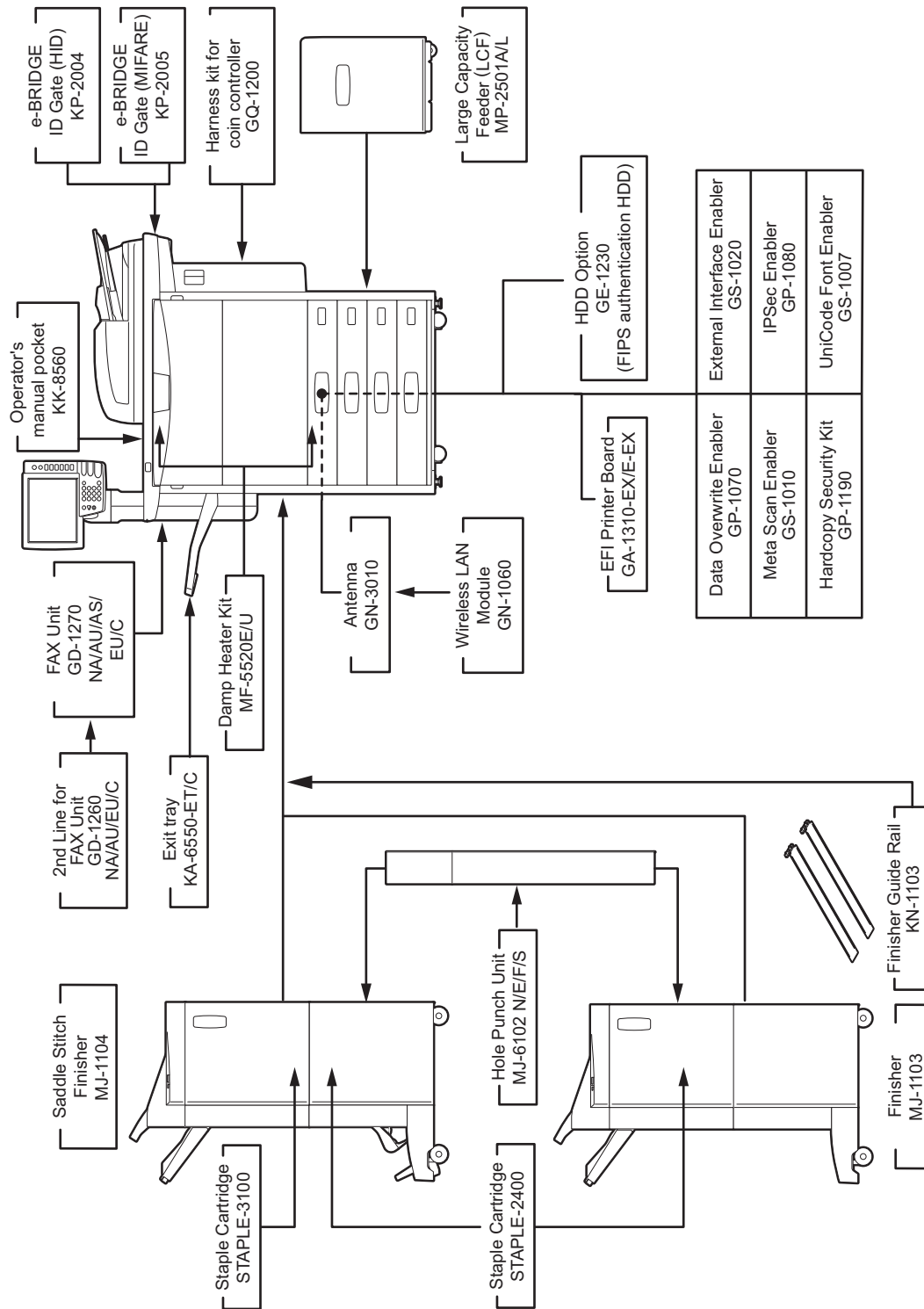

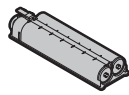
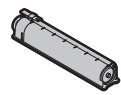
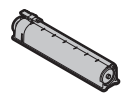
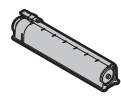
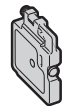


Fig. 2-2

Notes:

The antenna (GN-3010) is necessary to enable the wireless LAN module (GN-1060).

2.5 Supplies

	e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/6570C
Drum 	OD-FC55 (except for China)	<-
	OD-FC55C (for China)	<-
Toner cartridge (K) 	PS-ZTFC65K (for North America, Central and South America)	PS-ZTFC75UK (for North America)
	PS-ZTFC65EK (for Europe)	PS-ZTFC75EK (for Europe)
	PS-ZTFC65DK (for Australia and Asia)	PS-ZTFC75DK (for Australia)
	PS-ZTFC65CK (for China)	<-
	PS-ZTFC65AK (for Argentina)	PS-ZTFC75AK (for Argentina)
	-	PS-ZTFC75PK (for Others)
Toner cartridge (Y) 	PS-ZTFC65Y (for North America, Central and South America)	PS-ZTFC75UY (for North America)
	PS-ZTFC65EY (for Europe)	PS-ZTFC75EY (for Europe)
	PS-ZTFC65DY (for Australia and Asia)	PS-ZTFC75DY (for Australia)
	PS-ZTFC65CY (for China)	<-
	PS-ZTFC65AY (for Argentina)	PS-ZTFC75AY (for Argentina)
	-	PS-ZTFC75PY (for Others)
Toner cartridge (M) 	PS-ZTFC65M (for North America, Central and South America)	PS-ZTFC75UM (for North America)
	PS-ZTFC65EM (for Europe)	PS-ZTFC75EM (for Europe)
	PS-ZTFC65DM (for Australia and Asia)	PS-ZTFC75DM (for Australia)
	PS-ZTFC65CM (for China)	<-
	PS-ZTFC65AM (for Argentina)	PS-ZTFC75AM (for Argentina)
	-	PS-ZTFC75PM (for Others)
Toner cartridge (C) 	PS-ZTFC65C (for North America, Central and South America)	PS-ZTFC75UC (for North America)
	PS-ZTFC65EC (for Europe)	PS-ZTFC75EC (for Europe)
	PS-ZTFC65DC (for Australia and Asia)	PS-ZTFC75DC (for Australia)
	PS-ZTFC65CC (for China)	<-
	PS-ZTFC65AC (for Argentina)	PS-ZTFC75AC (for Argentina)
	-	PS-ZTFC75PC (for Others)
Waste toner box 	PS-TBFC55 (except for Europe and China)	<-
	PS-TBFC55E (for Europe)	<-
	PS-TBFC55C (for China)	<-

3. OUTLINE OF THE MACHINE

3.1 Sectional View

3.1.1 Front side

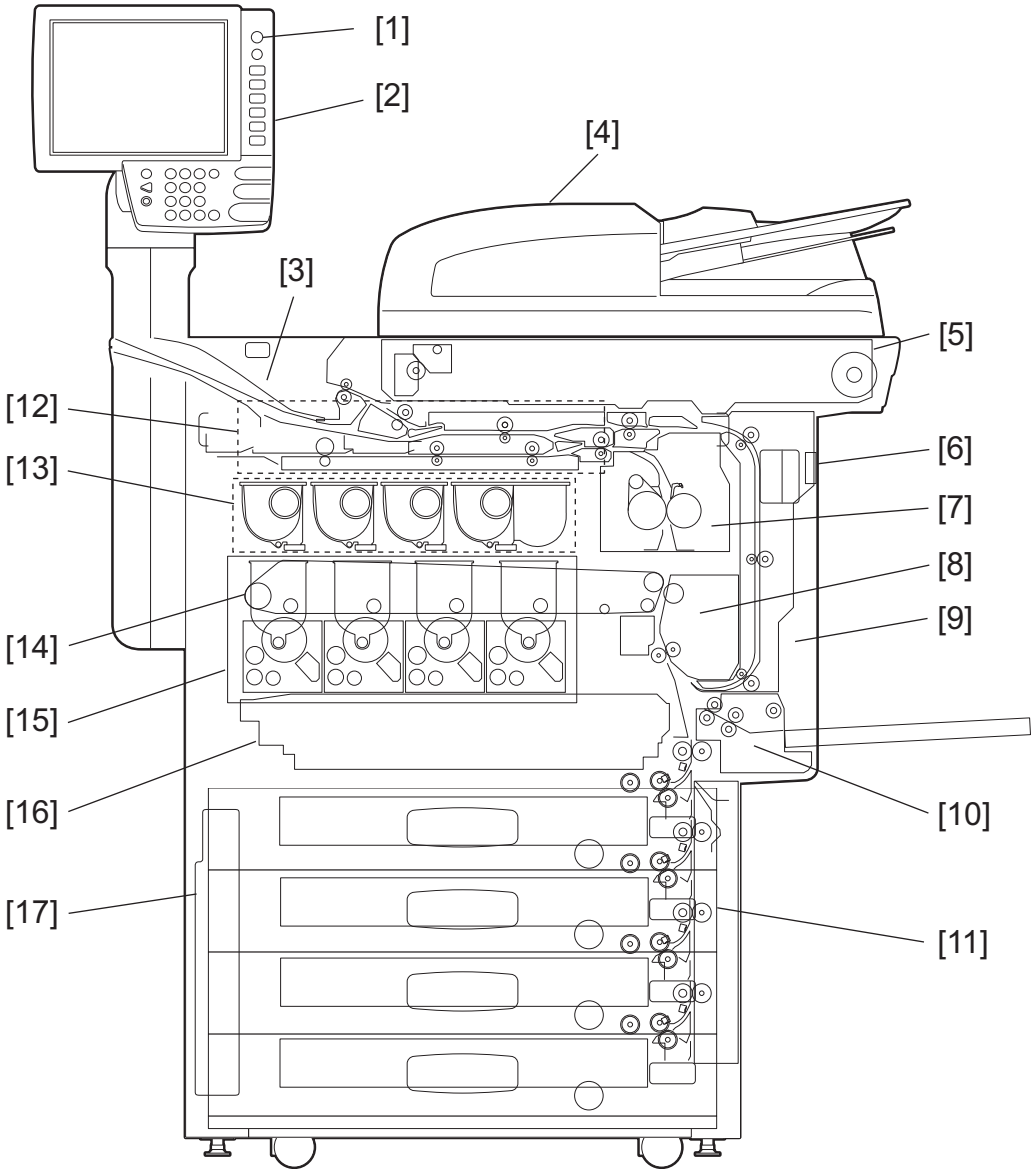


Fig. 3-1

No	Name	No	Name
[1]	[ON/OFF] button	[10]	Bypass feed unit
[2]	Control Panel	[11]	Paper Feeding System
[3]	Exit tray	[12]	Exit / Reverse Section
[4]	Reversing Automatic Document Feeder (RADF)	[13]	Toner cartridge
[5]	Scanner	[14]	Transfer belt unit
[6]	Main power switch	[15]	Process Unit Related Section
[7]	Fuser Unit	[16]	Laser Optical Unit
[8]	2nd transfer unit	[17]	Waste toner box
[9]	Duplex Section		

3.1.2 Rear side

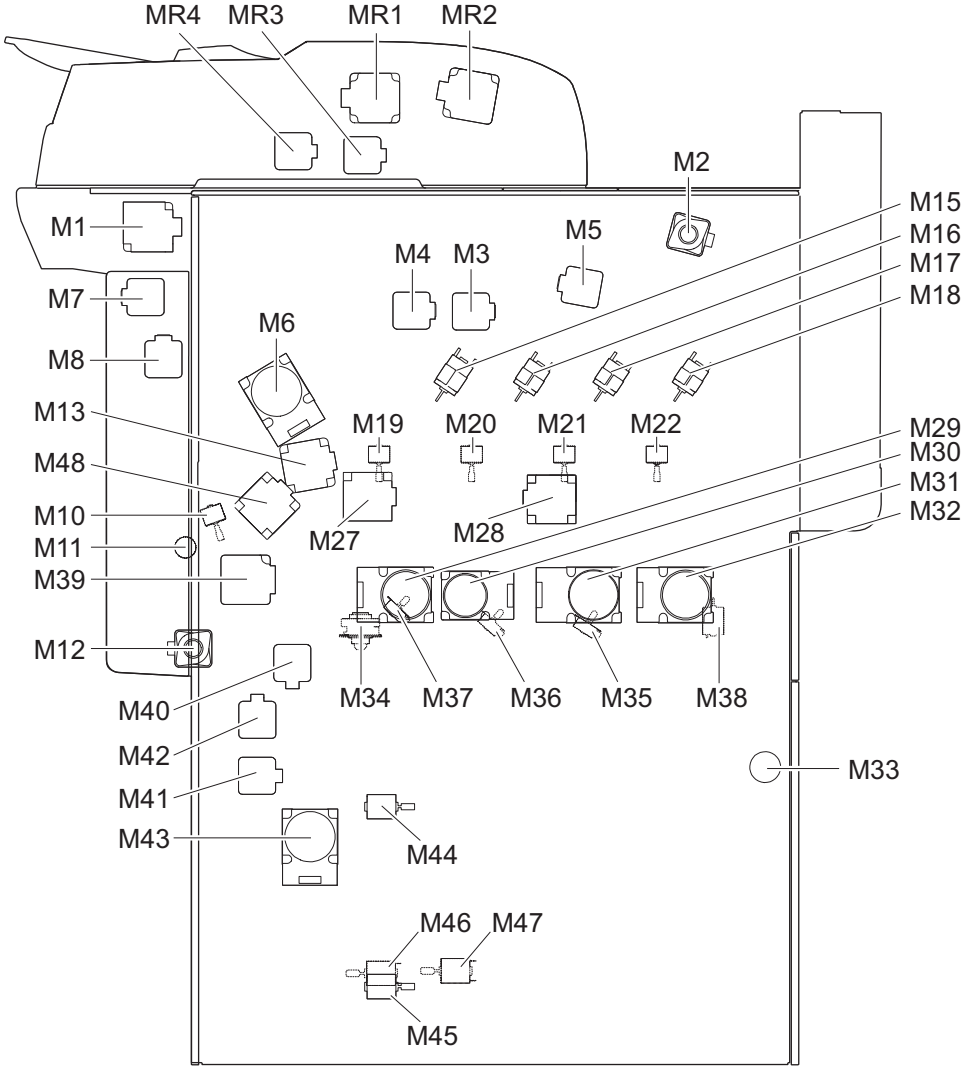


Fig. 3-2

3.2 Electric Parts Layout

[A] Reversing Automatic Document Feeder (RADF)

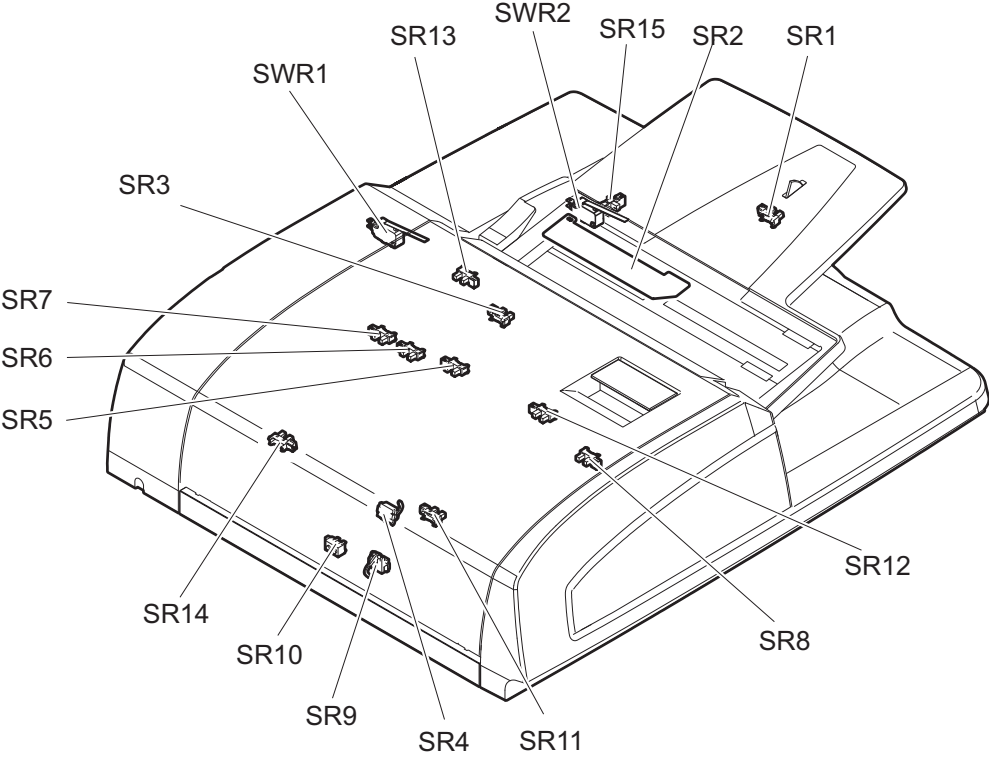


Fig. 3-3

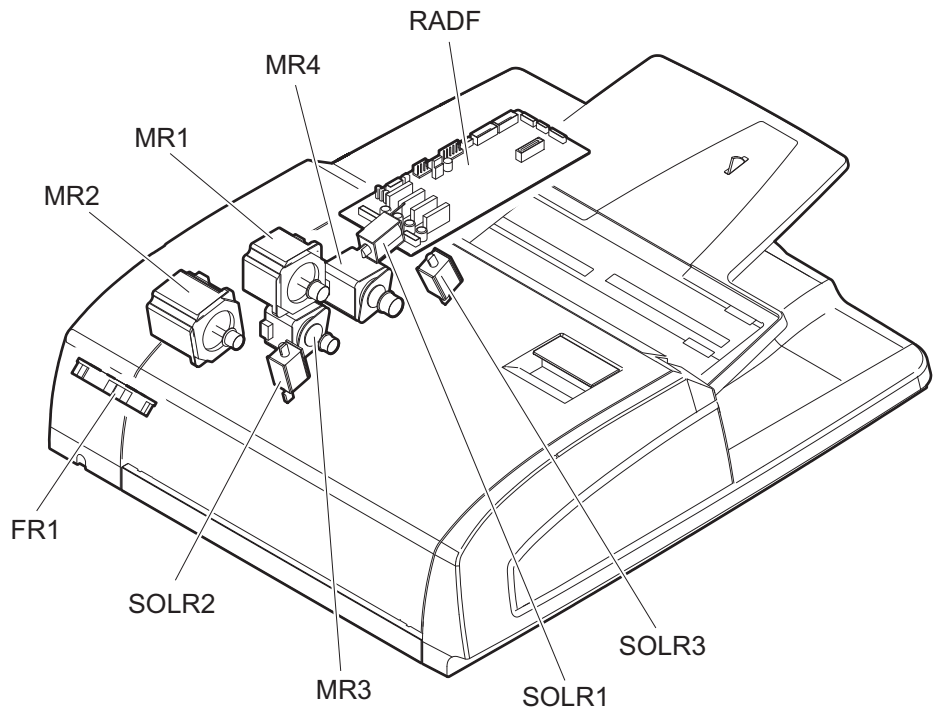


Fig. 3-4

[B] Scanner unit

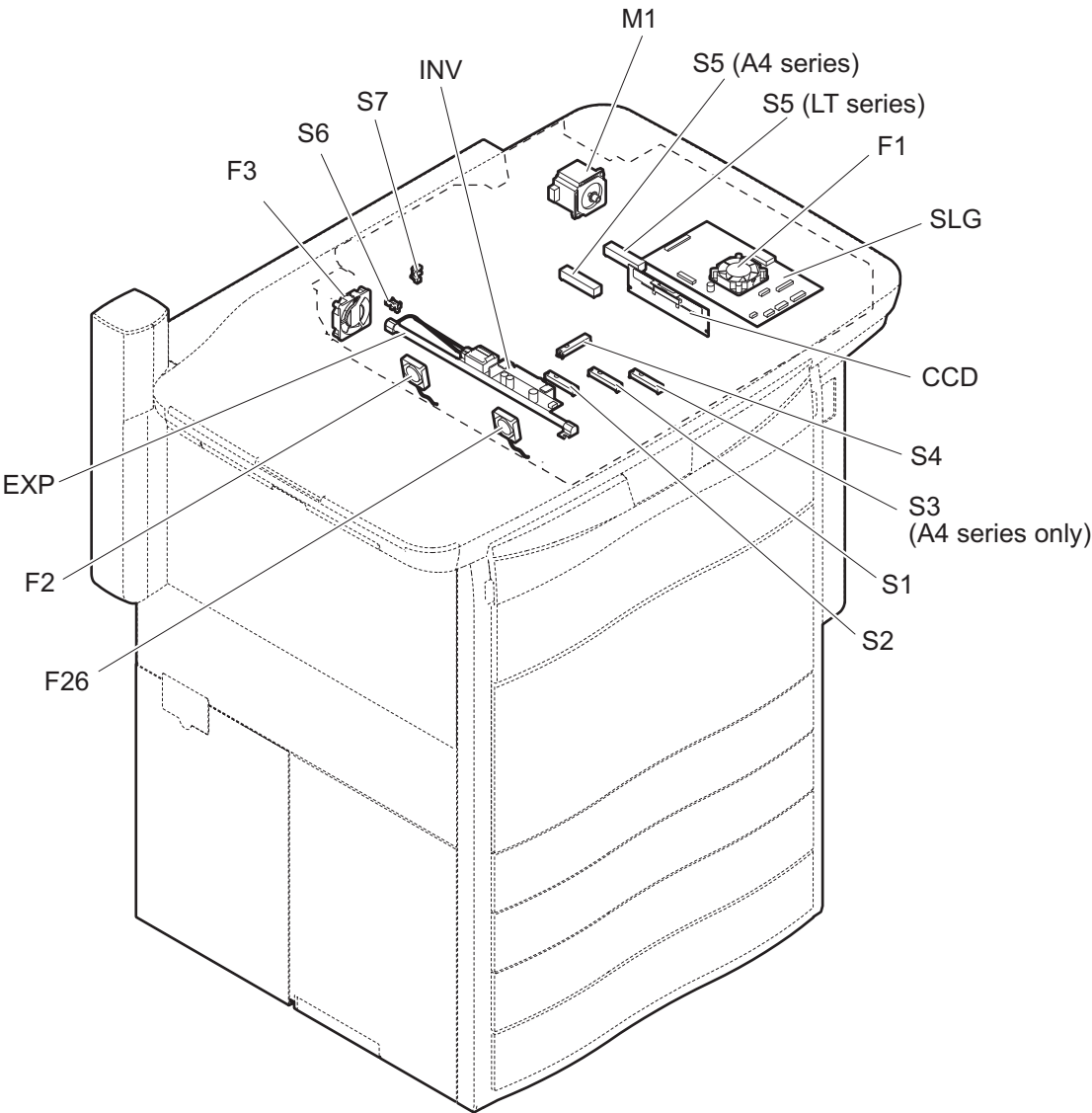


Fig. 3-5

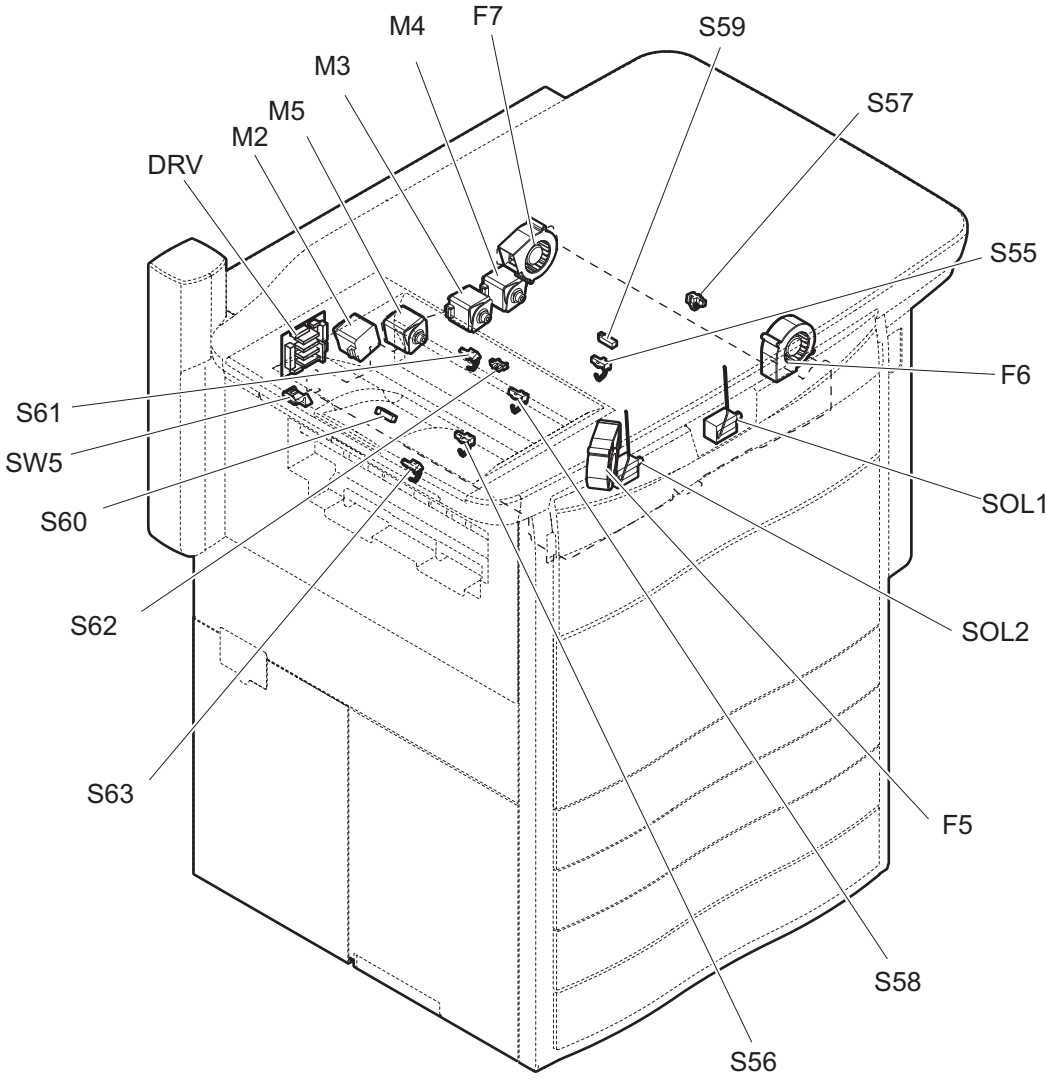


Fig. 3-6

[D] Fuser related section

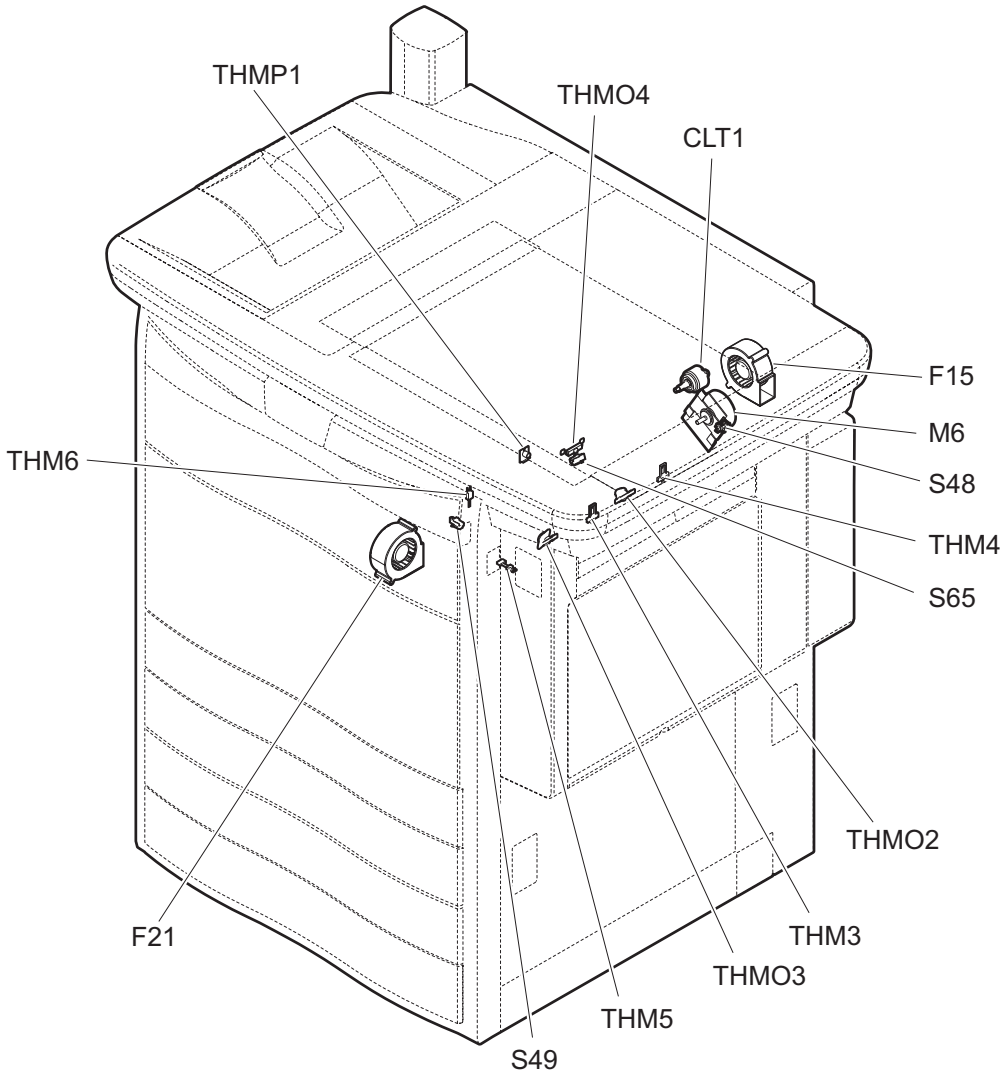


Fig. 3-7

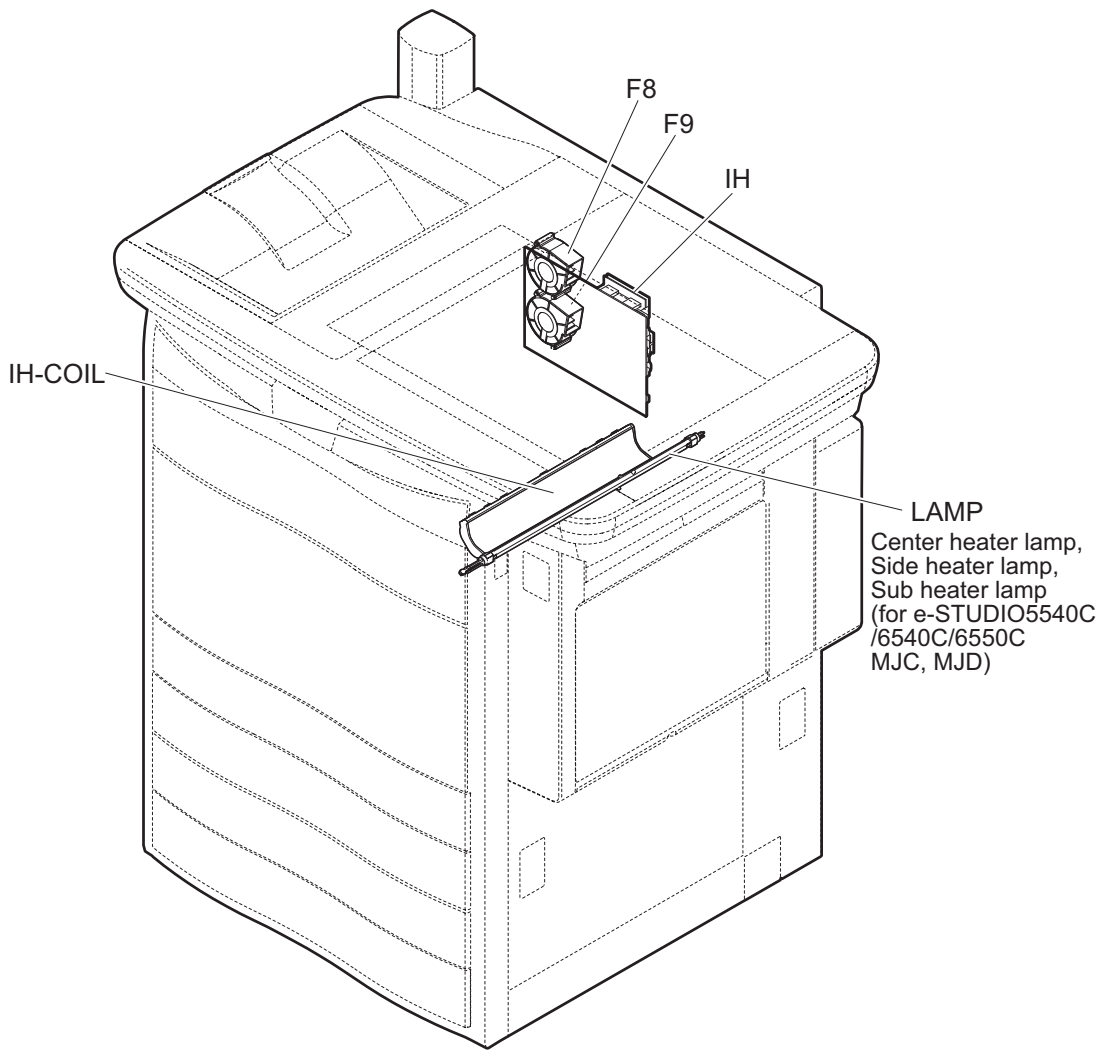


Fig. 3-8

[E] Developer unit

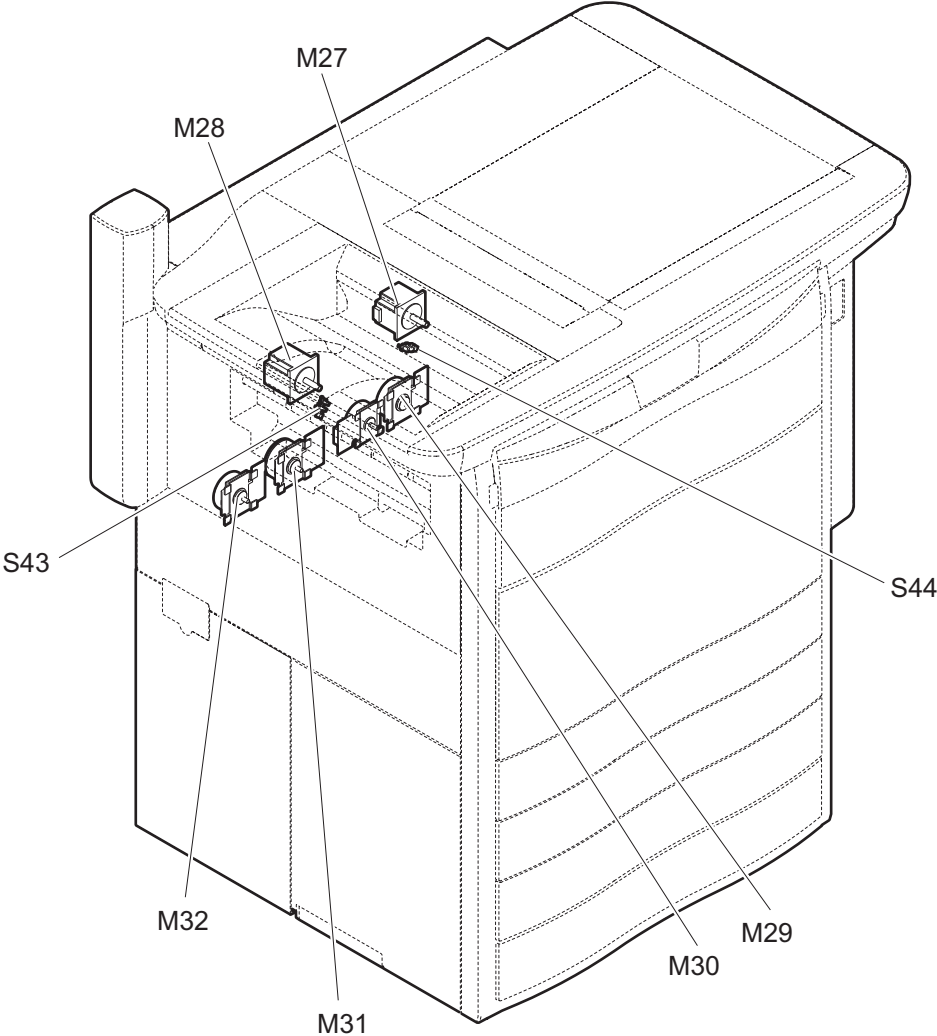


Fig. 3-9

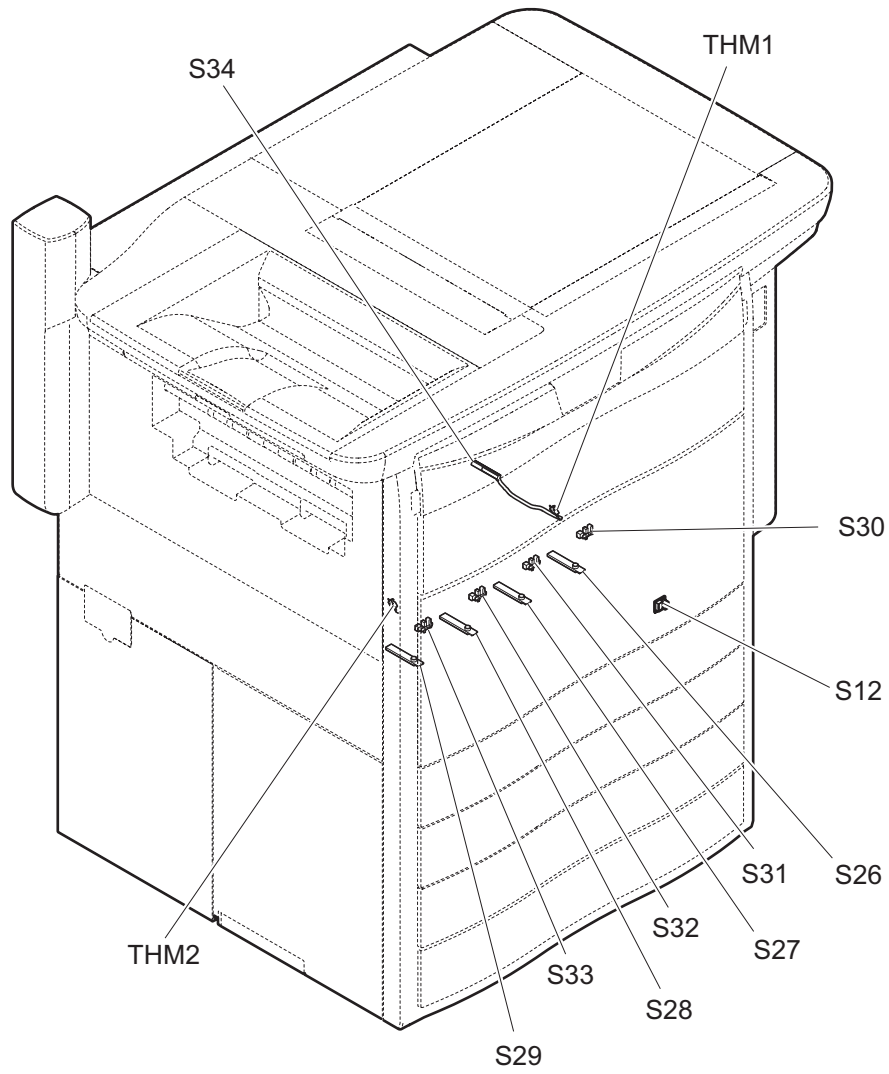


Fig. 3-10

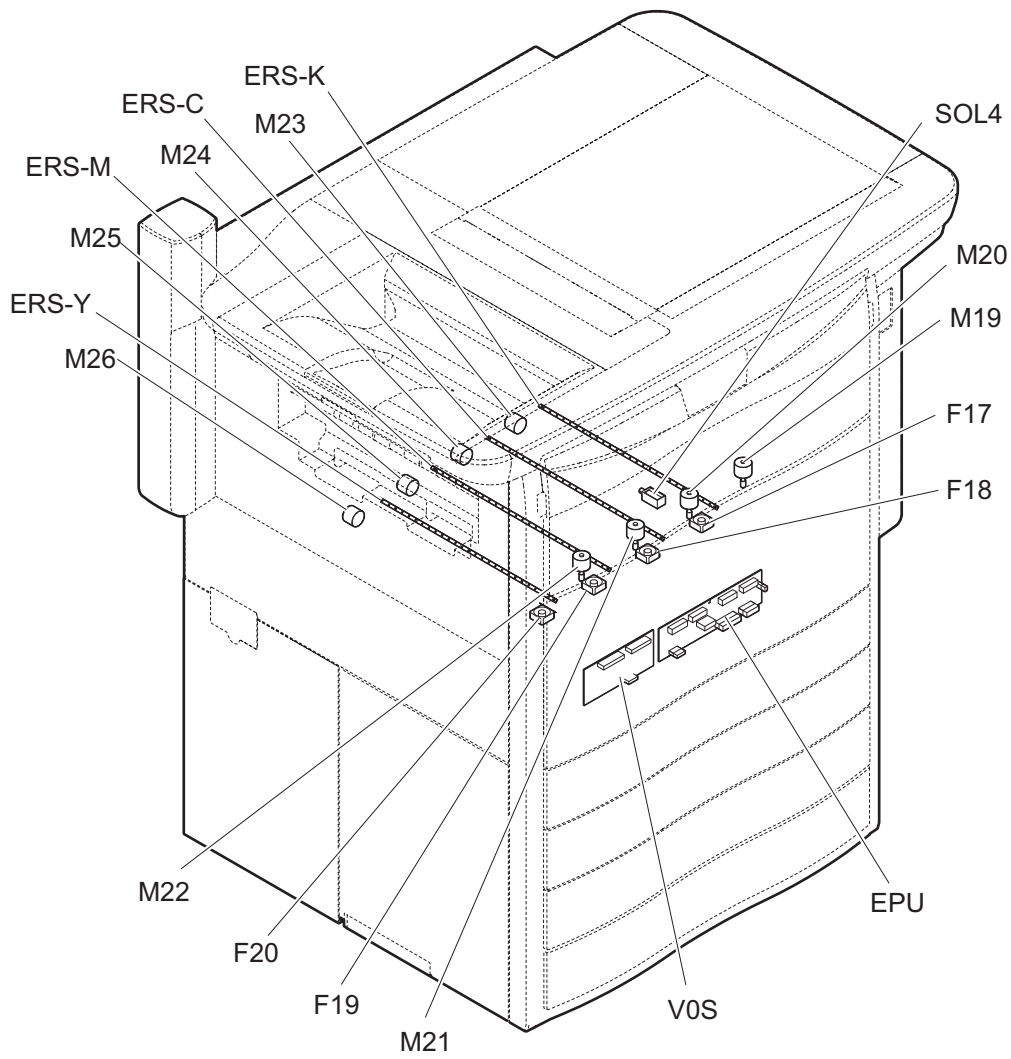


Fig. 3-11

[F] Transfer belt unit

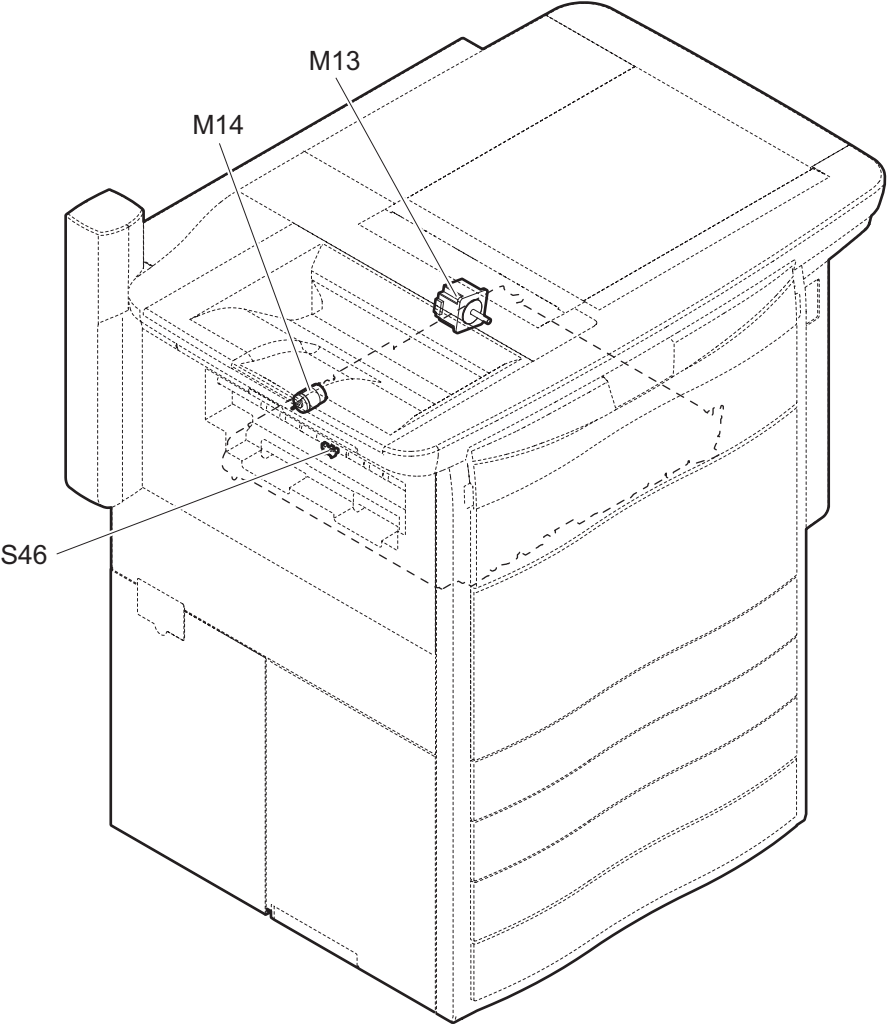


Fig. 3-12

[G] Transfer unit

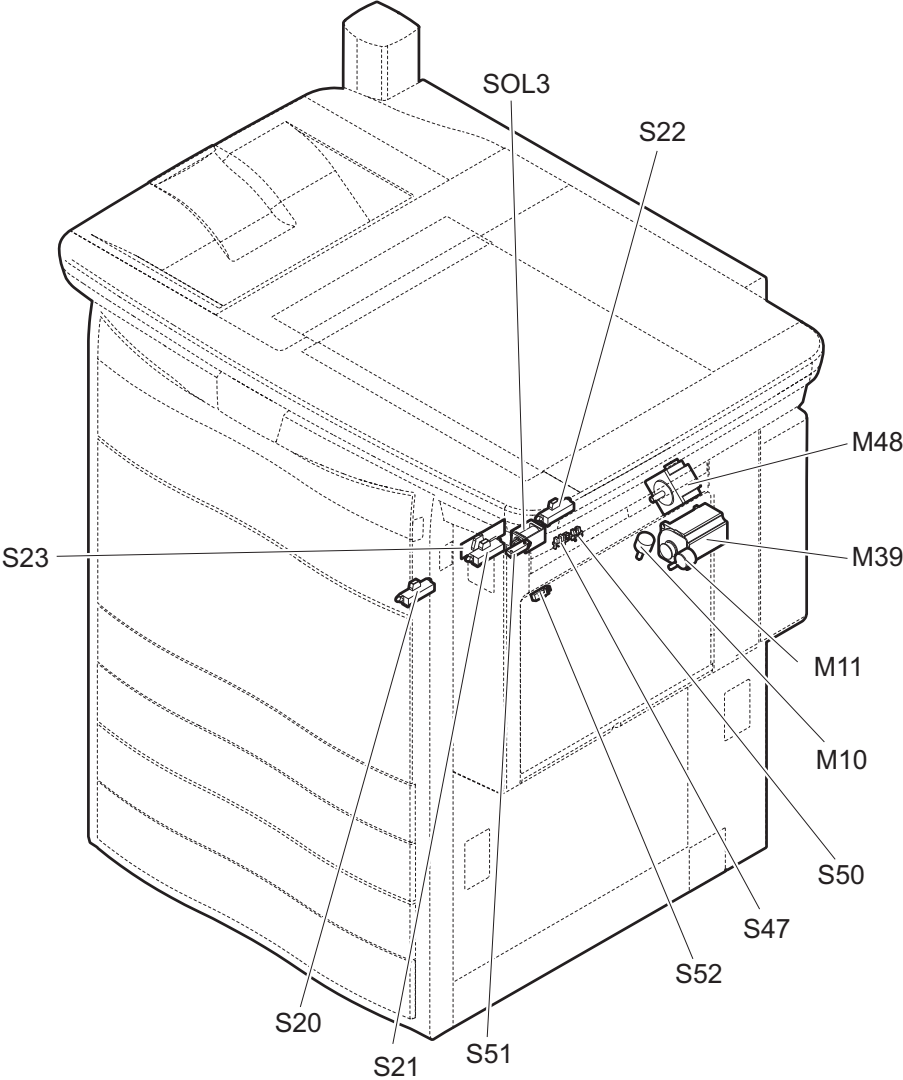


Fig. 3-13

[H] Laser unit

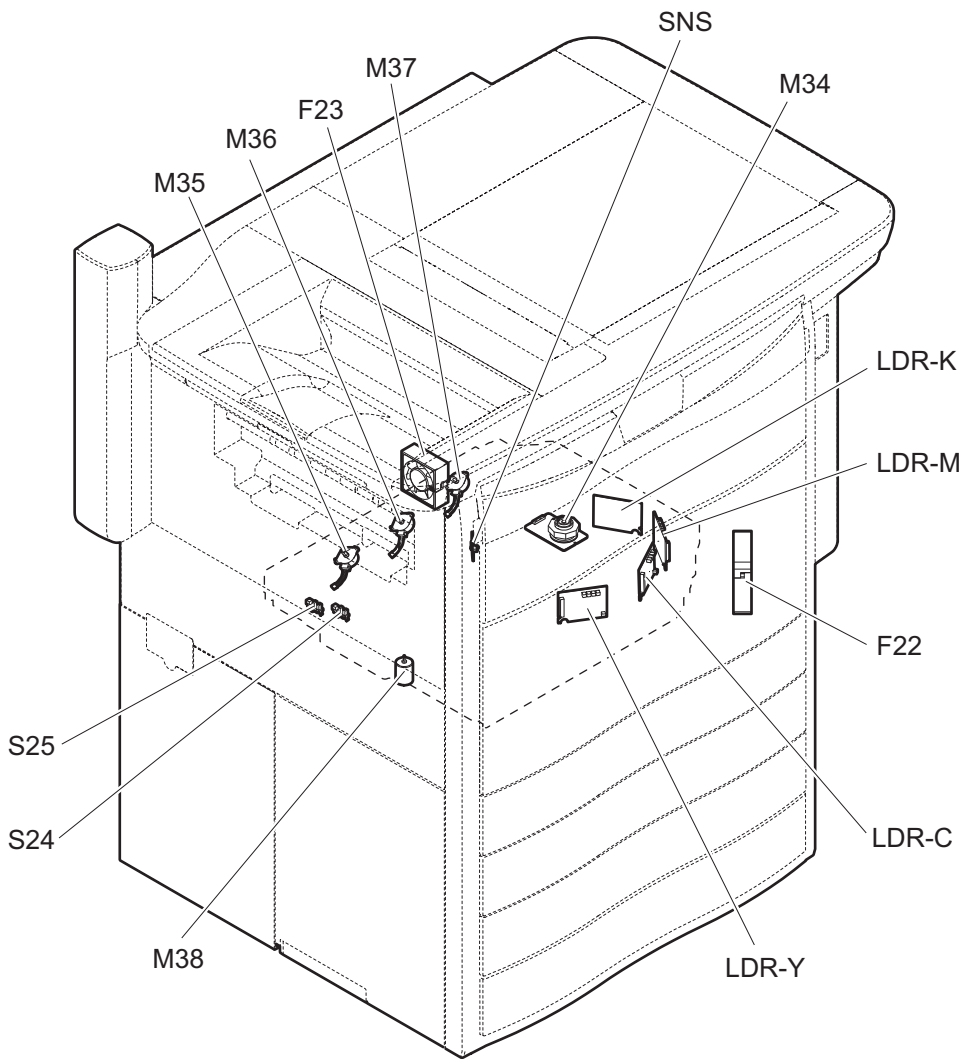


Fig. 3-14

[I] Toner cartridge/Waste toner box

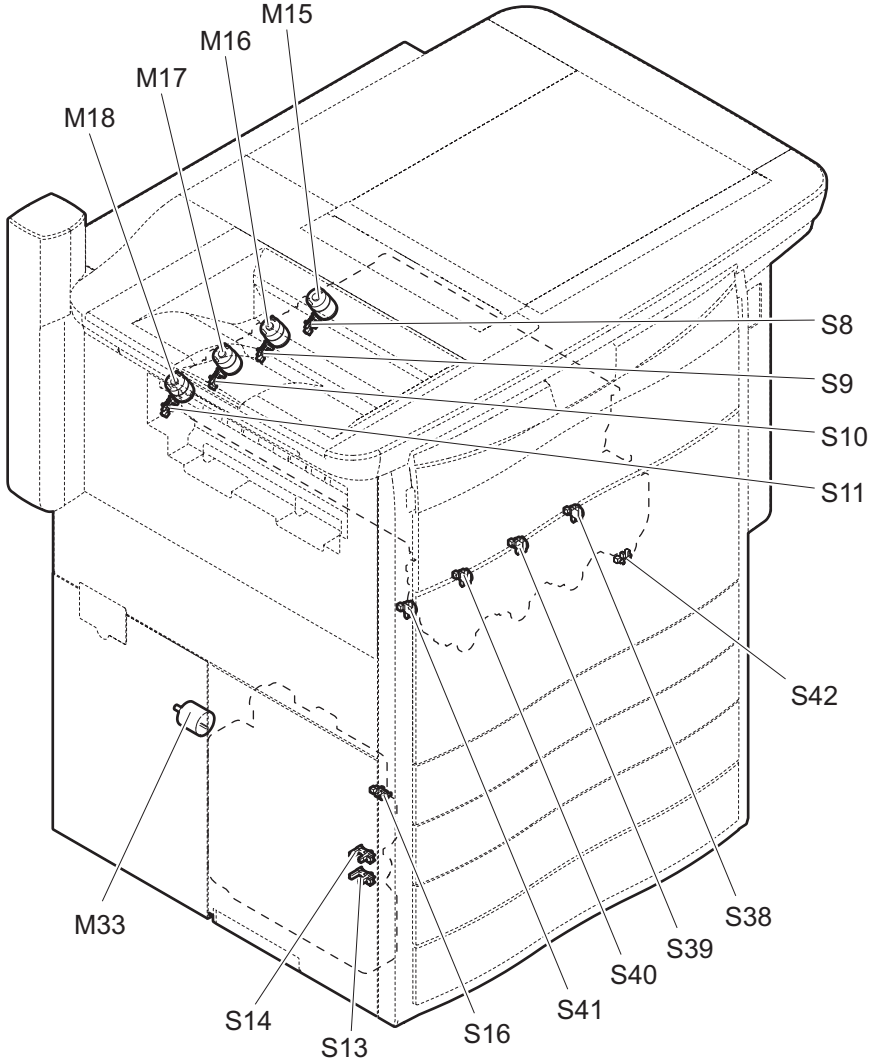


Fig. 3-15

[J] Automatic duplexing unit

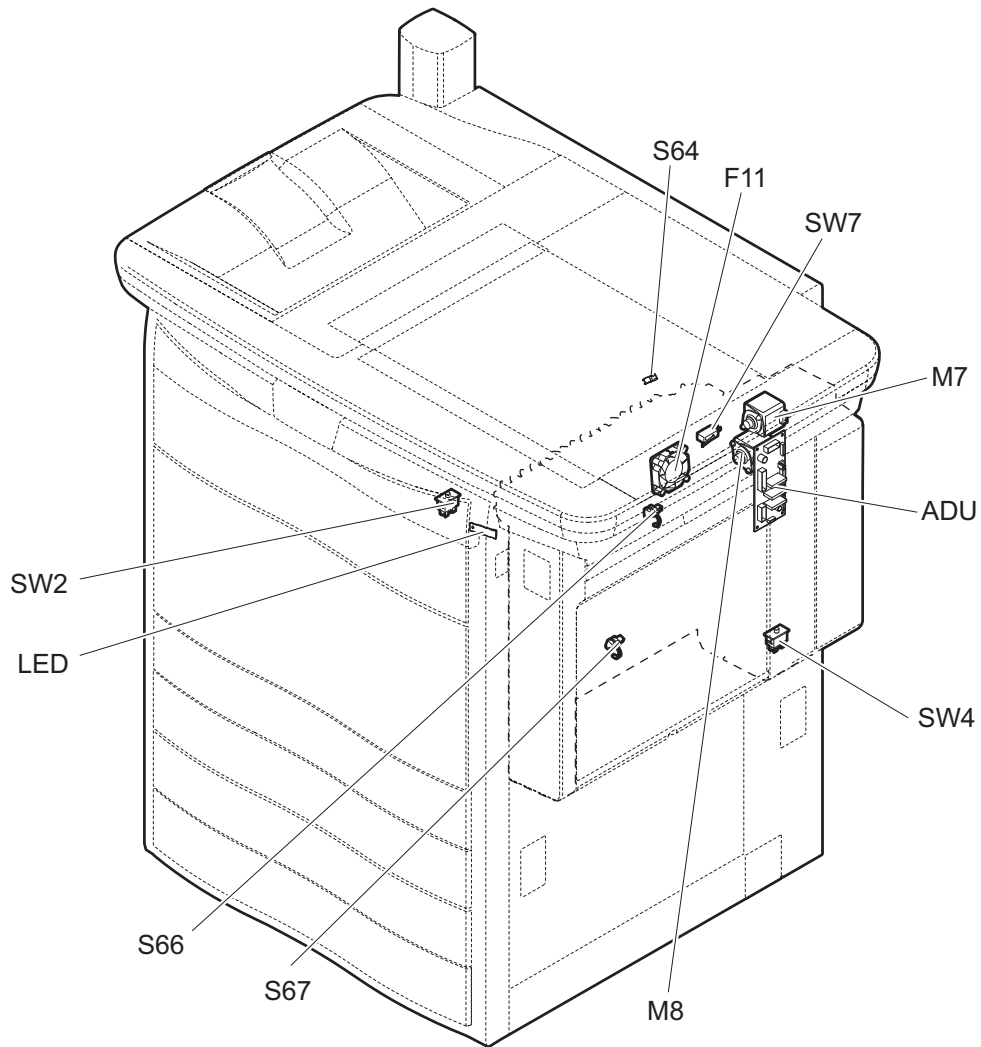


Fig. 3-16

[K] Cover switches/Cover sensor/TRU waste toner box

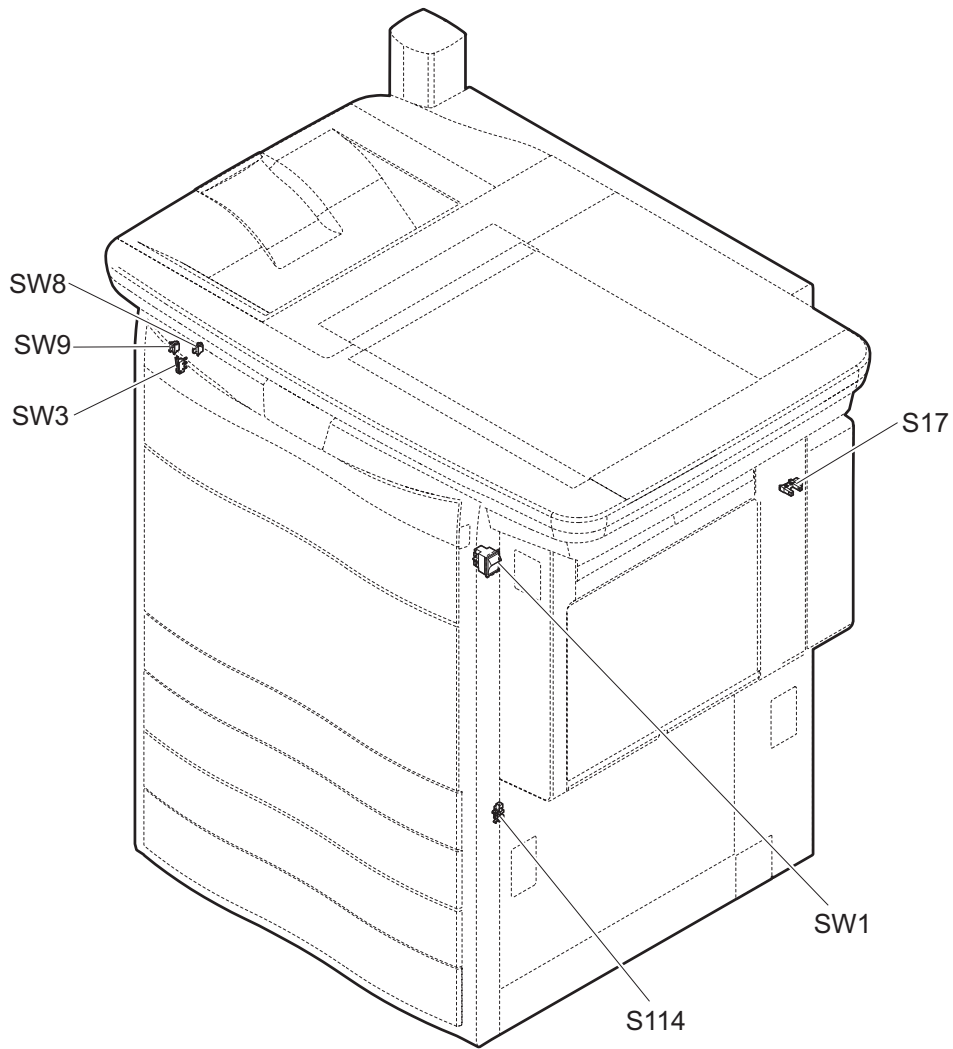


Fig. 3-17

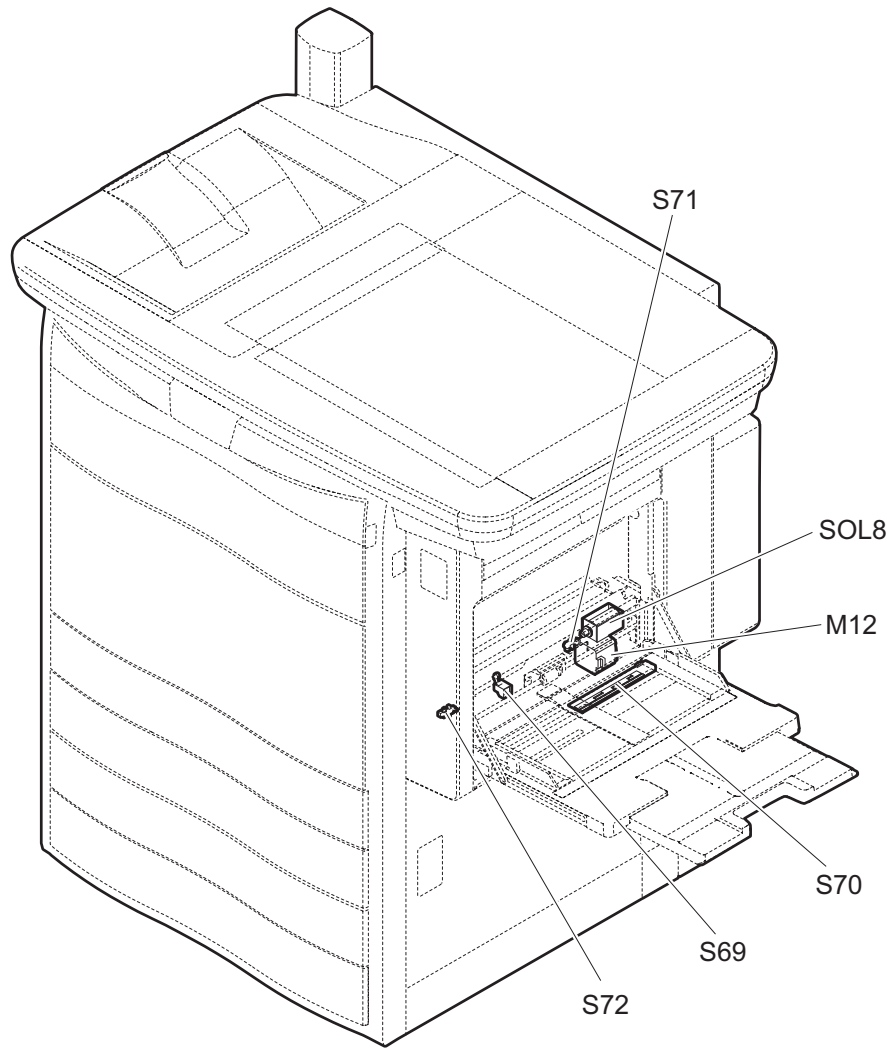


Fig. 3-18

[M] Paper feeding section

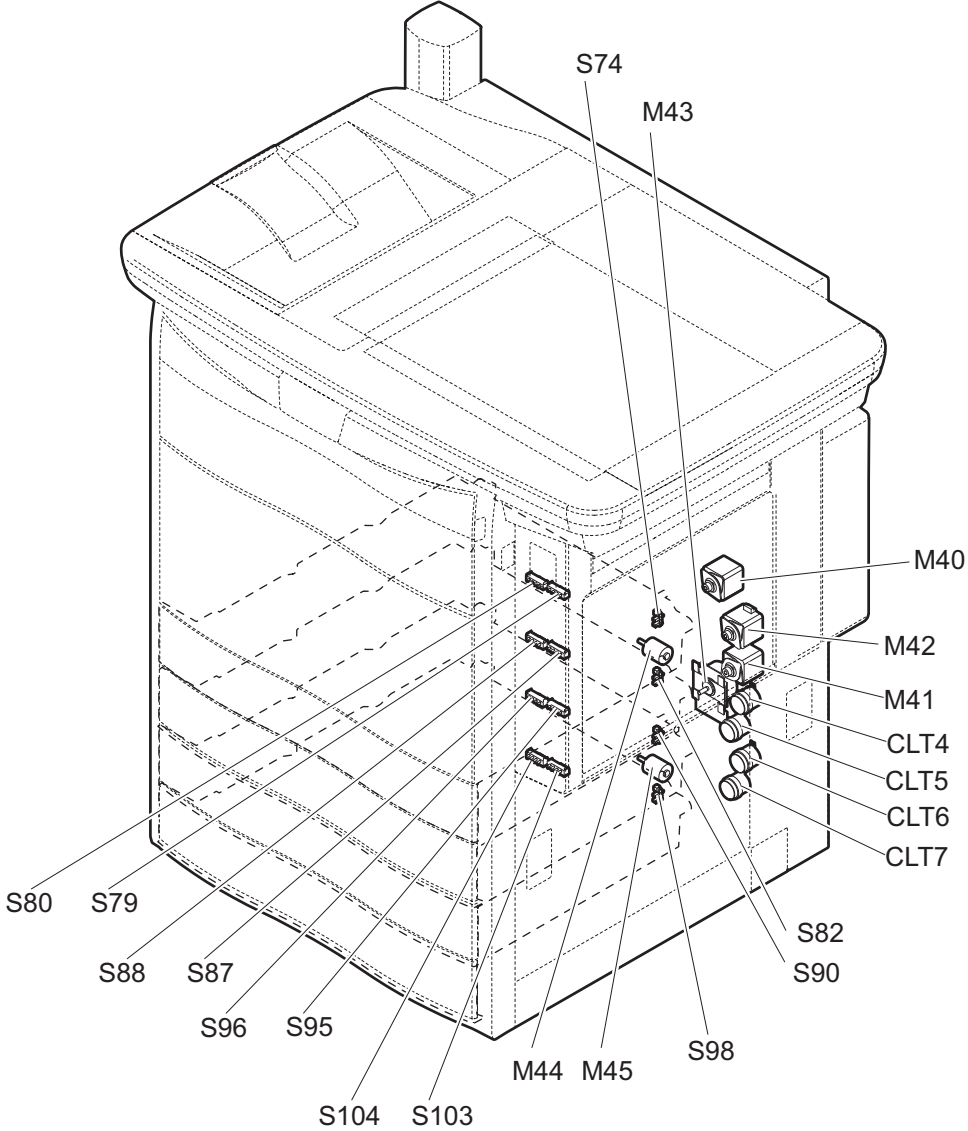


Fig. 3-19

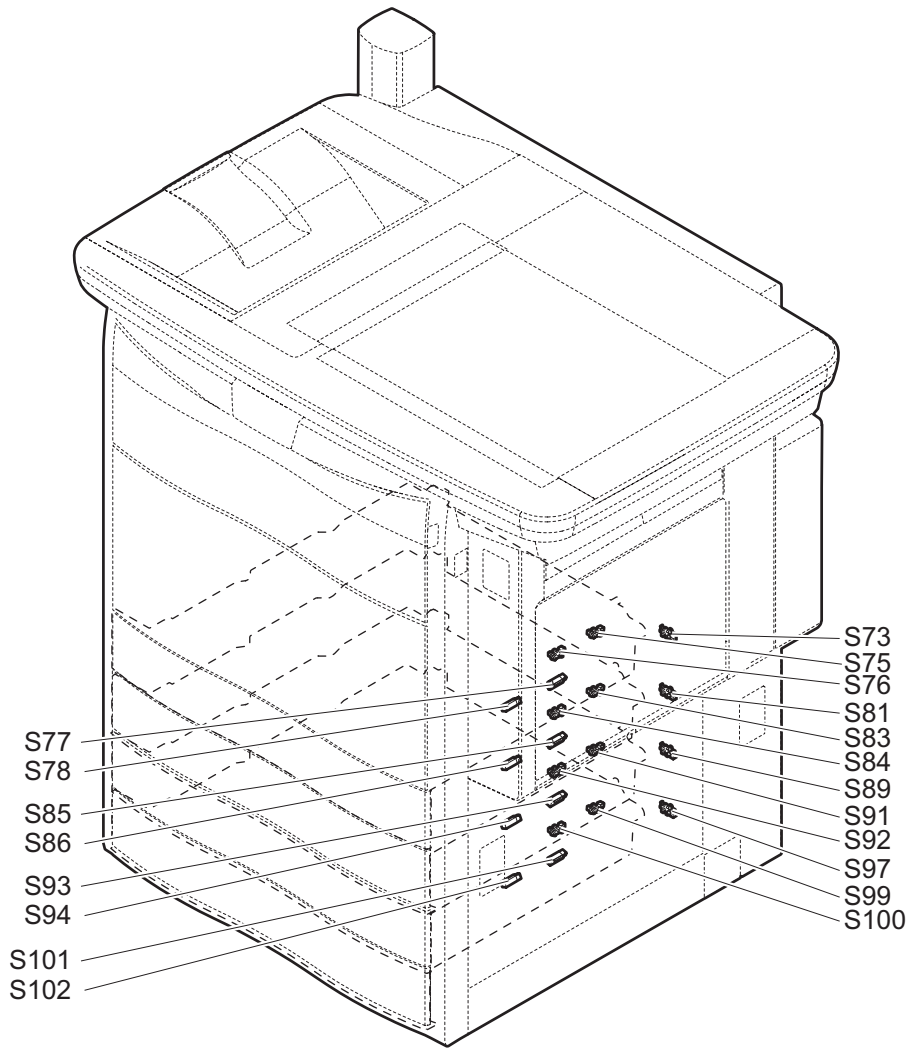


Fig. 3-20

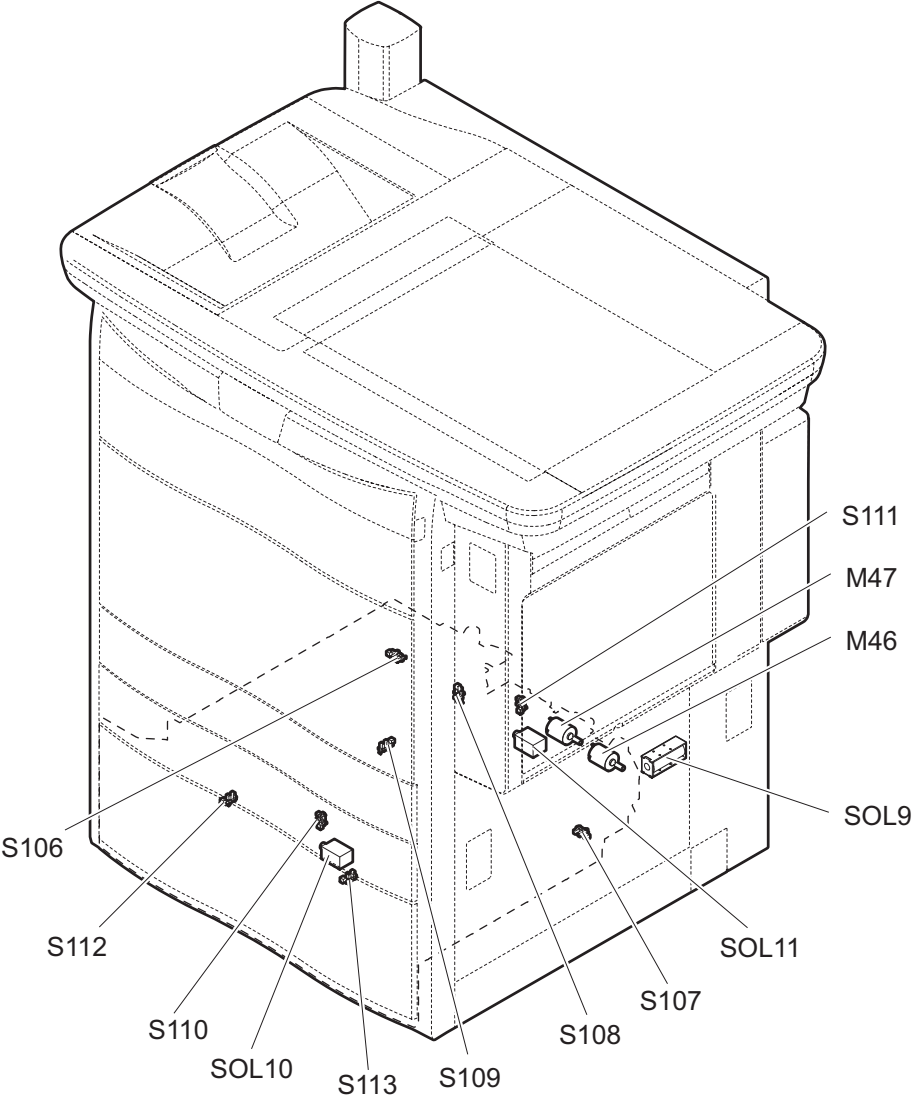


Fig. 3-21

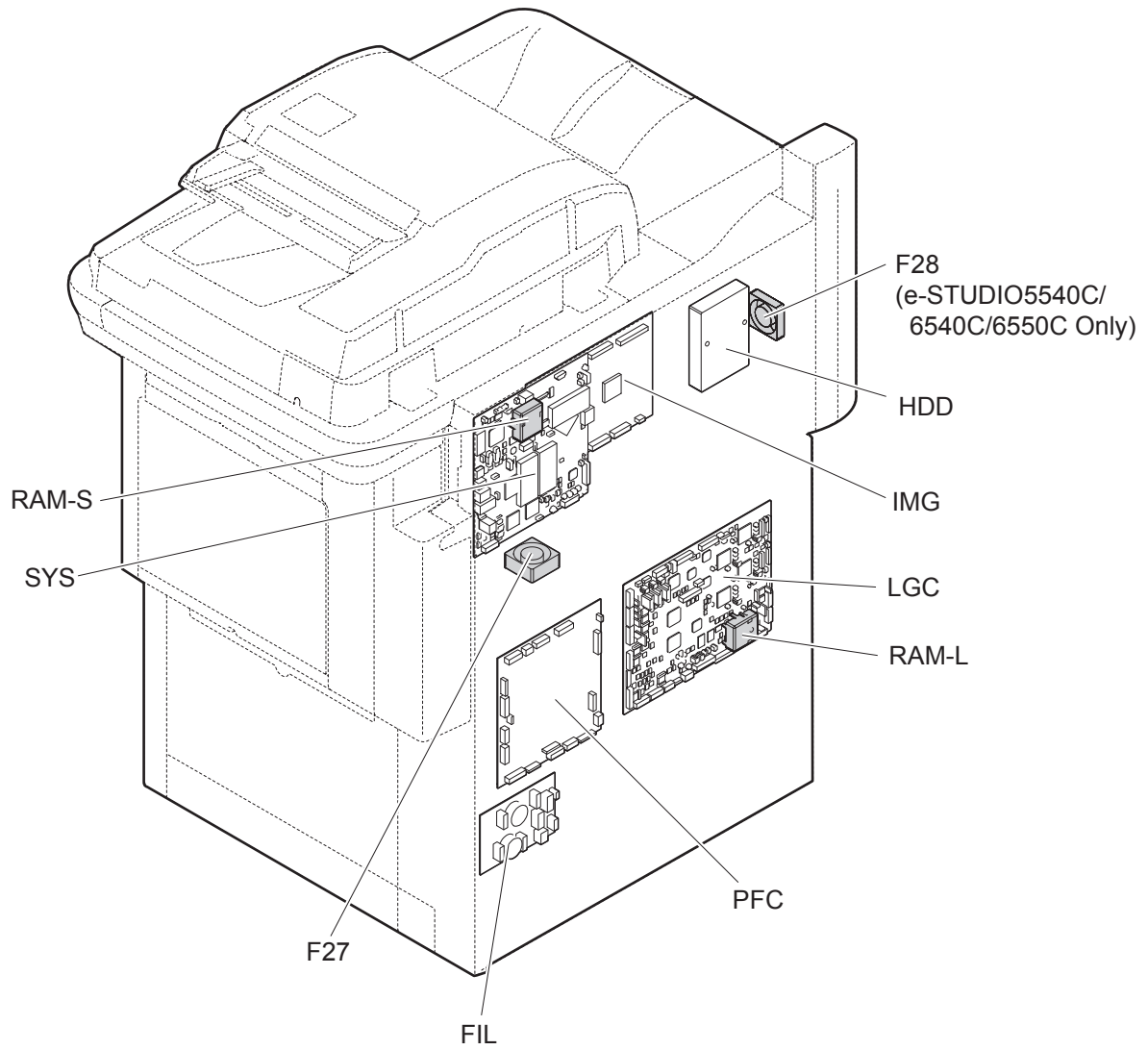


Fig. 3-22

[P] Power supply

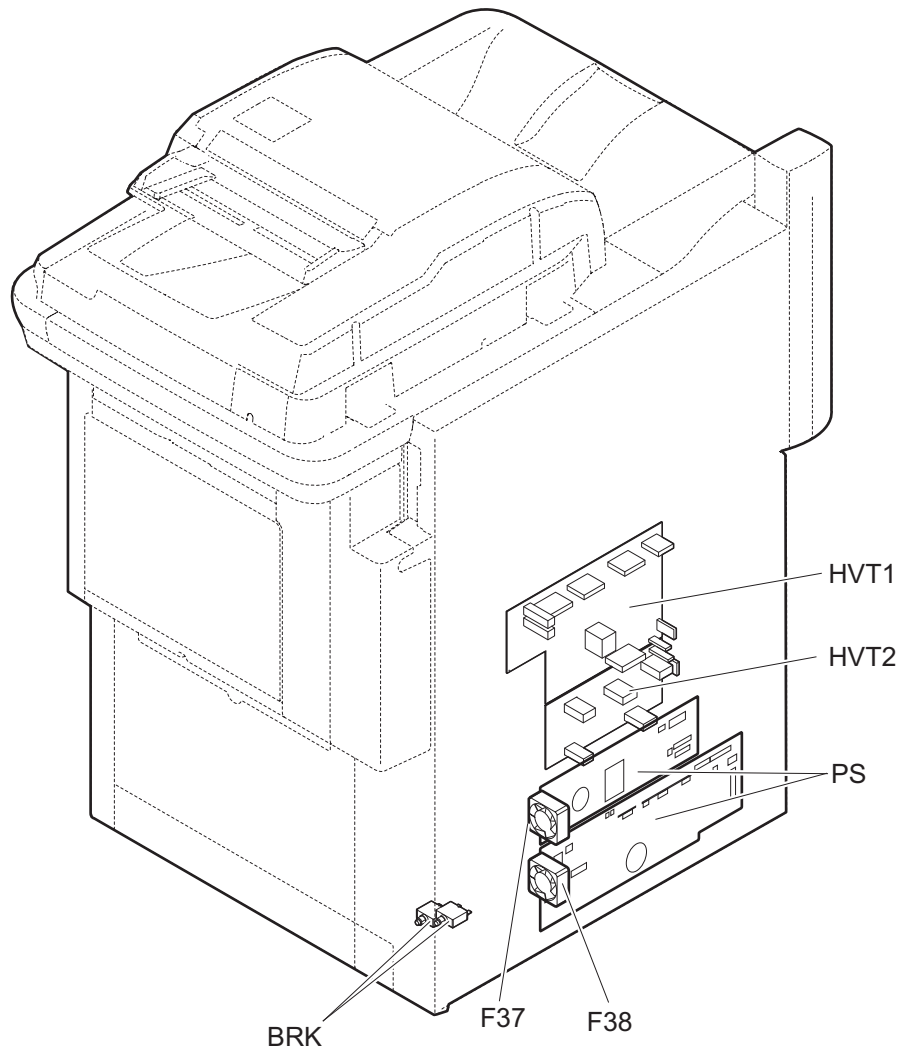


Fig. 3-23

[Q] Fans

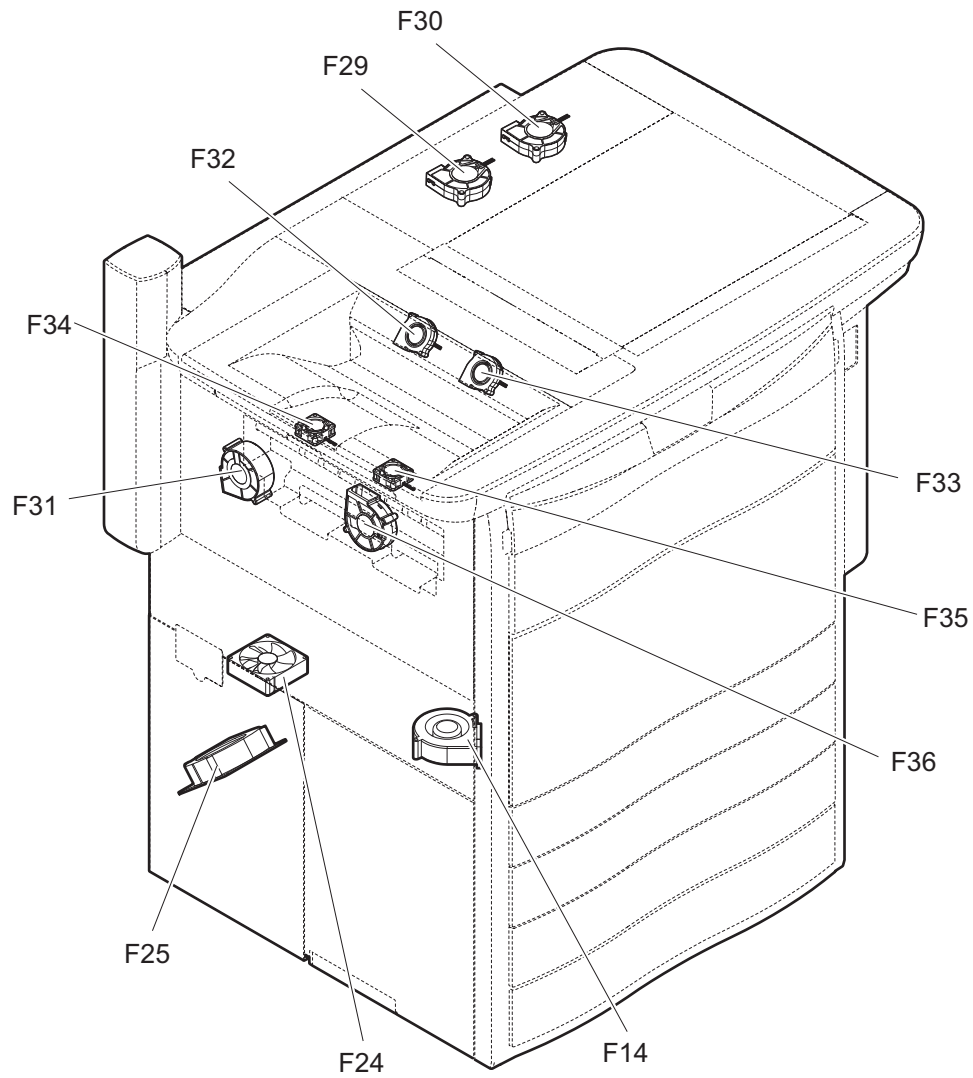


Fig. 3-24

[R] Damp heater

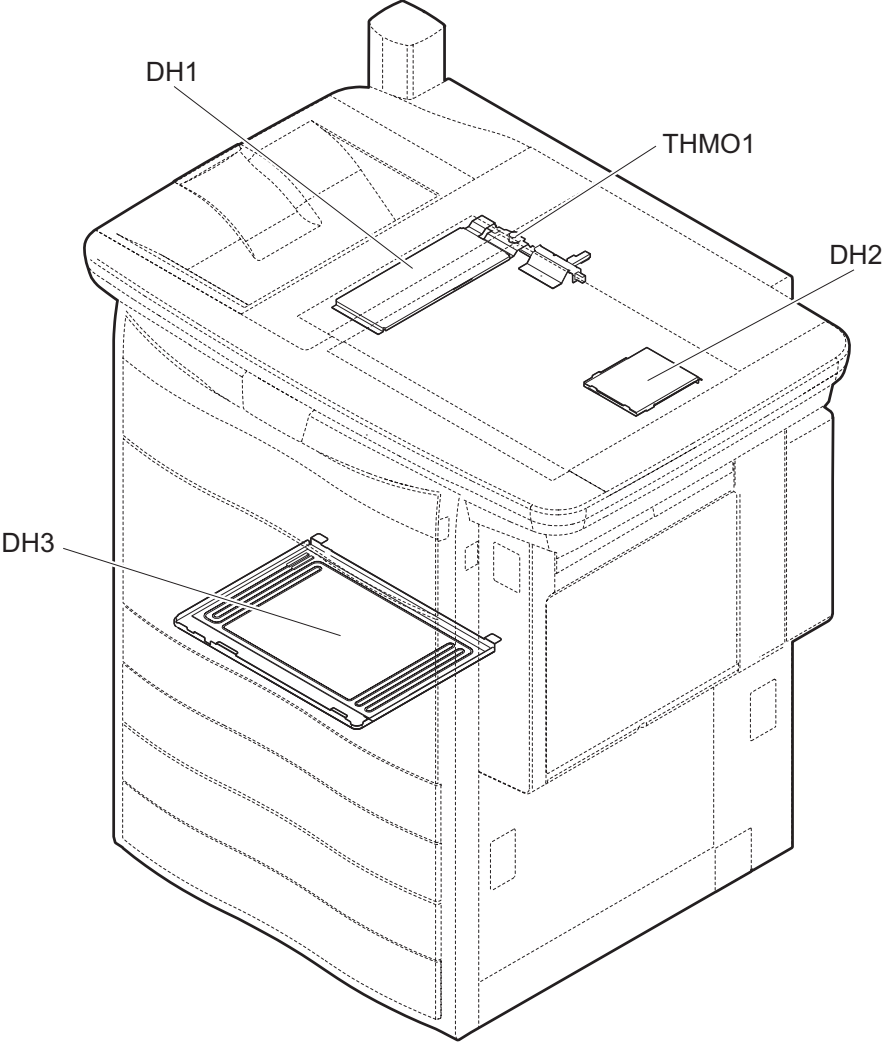


Fig. 3-25

[S] Control panel

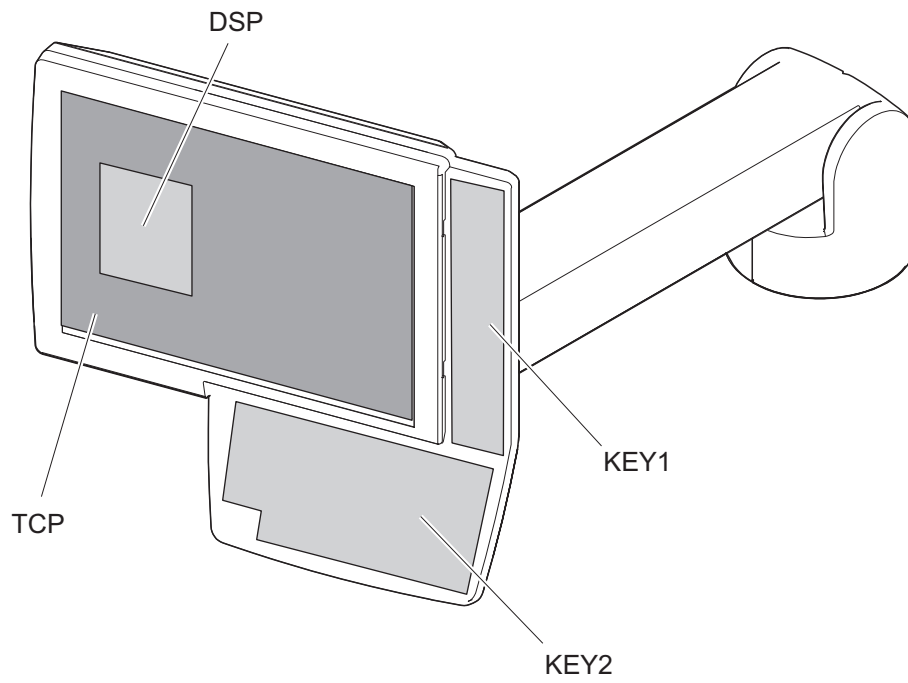


Fig. 3-26

3.3 Symbols and Functions of Various Components

The column "P-I" shows the page and item number in the parts list.

3.3.1 Motors

Symbol	Name	Function	Remarks	P-I
MR1	Original feed motor	Driving the original feed roller, pickup roller and registration roller	Fig. 3-4	87-14
MR2	Read motor	Transporting originals by driving the intermediate transport roller, front read roller, rear read roller and reverse registration roller	Fig. 3-4	87-7
MR3	Original reverse motor	Driving the original reverse roller	Fig. 3-4	87-28
MR4	Original exit motor	Driving the original exit roller	Fig. 3-4	87-9
M1	Scan motor	Driving the carriages	Fig. 3-5	51-9
M2	Exit motor	Driving the exit roller	Fig. 3-5	37-6
M3	Reverse motor	Driving the reverse section	Fig. 3-6	23-36
M4	Bridge unit transport entrance motor	Driving the entrance transport roller of the bridge unit	Fig. 3-6	23-36
M5	Bridge unit transport exit motor	Driving the bridge unit exit transport roller of the bridge unit	Fig. 3-6	23-36
M6	Fuser motor	Driving the fuser	Fig. 3-7	39-42
M7	ADU motor-1	Driving the automatic duplexing unit	Fig. 3-16	18-2
M8	ADU motor-2	Driving the automatic duplexing unit	Fig. 3-16	18-2
M10	TRU waste toner motor	Flat (horizontal) transporting waste toner in the TRU	Fig. 3-13	21-13
M11	TRU waste toner transport motor	Vertical transporting waste toner in the TRU	Fig. 3-13	27-55
M12	Bypass motor	Feeding/transporting paper in bypass unit	Fig. 3-18	15-77
M13	Transfer belt motor	Driving the transfer belt	Fig. 3-12	32-23
M14	Transfer belt cam motor	Driving the contact/release movement of the transfer belt	Fig. 3-12	32-18
M15	Toner motor-K	Toner supply from the K toner cartridge to the K sub-hopper	Fig. 3-15	45-8
M16	Toner motor-C	Toner supply from the C toner cartridge to the C sub-hopper	Fig. 3-15	45-9
M17	Toner motor-M	Toner supply from the M toner cartridge to the M sub-hopper	Fig. 3-15	45-9
M18	Toner motor-Y	Toner supply from the Y toner cartridge to the Y sub-hopper	Fig. 3-15	45-9
M19	Sub-hopper toner motor-K	Normal rotation: Toner supply from the K sub-hopper to the K developer unit and mixing toner in the K sub-hopper Reverse rotation: Mixing toner in the K sub-hopper	Fig. 3-11	60-13
M20	Sub-hopper toner motor-C	Normal rotation: Toner supply from the C sub-hopper to the C developer unit and mixing toner in the C sub-hopper Reverse rotation: Mixing toner in the C sub-hopper	Fig. 3-11	60-13

Symbol	Name	Function	Remarks	P-I
M21	Sub-hopper toner motor-M	Normal rotation: Toner supply from the M sub-hopper to the M developer unit and mixing toner in the M sub-hopper Reverse rotation: Mixing toner in the M sub-hopper	Fig. 3-11	60-13
M22	Sub-hopper toner motor-Y	Normal rotation: Toner supply from the Y sub-hopper to the Y developer unit and mixing toner in the Y sub-hopper Reverse rotation: Mixing toner in the Y sub-hopper	Fig. 3-11	60-13
M23	Needle electrode cleaner motor-K	Driving the needle electrode cleaner-K	Fig. 3-11	59-11
M24	Needle electrode cleaner motor-C	Driving the needle electrode cleaner-C	Fig. 3-11	59-11
M25	Needle electrode cleaner motor-M	Driving the needle electrode cleaner-M	Fig. 3-11	59-11
M26	Needle electrode cleaner motor-Y	Driving the needle electrode cleaner-Y	Fig. 3-11	59-11
M27	Drum motor-K	Driving the K drum	Fig. 3-9	56-3
M28	Drum motor-YMC	Driving the Y, M and C drums	Fig. 3-9	56-2
M29	Developer unit motor-K	Driving the K developer sleeve (magnetic roller) and toner recovery auger	Fig. 3-9	55-21
M30	Developer unit mixer motor-K	Mixing the K developer material	Fig. 3-9	55-20
M31	Developer unit motor-YMC	Driving the Y, M and C developer sleeve (magnetic roller) and toner recovery auger	Fig. 3-9	55-22
M32	Developer unit mixer motor-YMC	Mixing the Y, M and C developer materials	Fig. 3-9	55-21
M33	Waste toner transport motor	Transporting waste toner	Fig. 3-15	65-37
M34	Polygonal motor	Driving the polygonal mirror	Fig. 3-14	48-1
M35	Mirror motor-M	Adjusting the irradiation angle of the M laser	Fig. 3-14	48-1
M36	Mirror motor-C	Adjusting the irradiation angle of the C laser	Fig. 3-14	48-1
M37	Mirror motor-K	Adjusting the irradiation angle of the K laser	Fig. 3-14	48-1
M38	Shutter motor	Driving the laser emission outlet (slit glass) protective shutter	Fig. 3-14	48-1
M39	Registration motor	Driving the registration roller	Fig. 3-13	10-22
M40	Transport motor-1	Driving the intermediate transport roller-1	Fig. 3-19	8-3
M41	Transport motor-2	Driving the intermediate transport roller-2	Fig. 3-19	8-3
M42	Feed motor	Driving the feed roller and pickup roller of the 1st and 2nd drawers	Fig. 3-19	8-3
M43	Feed/transport motor	Driving the feed roller and the transport roller of the 3rd and 4th drawers	Fig. 3-19	9-50
M44	Tray-up motor-1	Lifting up the trays in the 1st and 2nd drawers	Fig. 3-19	66-7
M45	Tray-up motor-2	Lifting up the trays in the 3rd and 4th drawers	Fig. 3-19	66-7
M46	Tandem LCF tray-up motor	Lifting up the tray in the tandem LCF	Fig. 3-21	12-19
M47	Tandem LCF end fence motor	Driving the end fence in the tandem LCF	Fig. 3-21	12-19
M48	2nd transfer cam motor	Driving the contacting/releasing operation of the 2nd transfer roller	Fig. 3-13	28-50

3.3.2 Fans

Symbol	Name	Function	Remarks	P-I
FR1	RADF cooling fan	Cools off the RADF drive section.	Fig. 3-4	89-16
F1	SLG board cooling fan	Cooling down the SLG board	Fig. 3-5	54-28
F2	Exposure lamp cooling fan-1	Cooling down the exposure lamp	Fig. 3-5	50-25
F3	Scanner unit cooling fan-1	Cooling down the scanner unit	Fig. 3-5	50-15
F5	Exit paper cooling fan (front)	Cooling down the exiting/reversed paper and scanner unit, and avoiding exposure to water	Fig. 3-6	49-56
F6	Bridge unit cooling fan (front)	Cooling down the exiting/reversed paper and scanner unit, and avoiding exposure to water	Fig. 3-6	44-62
F7	Bridge unit cooling fan (rear)	Cooling down the exiting/reversed paper, scanner unit, bridge unit transport motor and reverse motor, and avoiding exposure to water	Fig. 3-6	45-66
F8	IH board cooling fan-1	Cooling down the IH board	Fig. 3-8	38-29
F9	IH board cooling fan-2	Cooling down the IH board	Fig. 3-8	38-29
F11	Reversed paper cooling fan	Cooling down the reversed paper	Fig. 3-16	18-26
F14	EPU cooling fan	Cooling down the developer unit (EPU)	Fig. 3-24	49-27
F15	Exit paper cooling fan (rear)	Cooling down the exiting/reversed paper and scanner unit, and avoiding exposure to water	Fig. 3-7	49-43
F17	Main charger blowing fan-K	Preventing the main charger unit-K from being stained	Fig. 3-11	59-2
F18	Main charger blowing fan-C	Preventing the main charger unit-C from being stained	Fig. 3-11	59-2
F19	Main charger blowing fan-M	Preventing the main charger unit-M from being stained	Fig. 3-11	59-2
F20	Main charger blowing fan-Y	Preventing the main charger unit-Y from being stained	Fig. 3-11	59-3
F21	Toner cartridge heat insulation fan	Insulating and cooling down the toner cartridge	Fig. 3-7	49-48
F22	Laser optical unit cooling fan (Front)	Cooling down the laser optical unit	Fig. 3-14	48-8
F23	Laser optical unit cooling fan (Rear)	Cooling down the laser optical unit, transport motor and feed motor	Fig. 3-14	49-21
F24	Ozone suctioning fan	Suctioning ozone generated at charging	Fig. 3-24	49-2
F25	Scattered toner suctioning fan	Suctioning toner scattering from the developer sleeve	Fig. 3-24	49-7
F26	Exposure lamp cooling fan-2	Cooling down the exposure lamp	Fig. 3-5	50-25
F27	SYS board cooling fan	Cooling down the SYS board	Fig. 3-22	68-9
F28	HDD cooling fan	Cooling down the hard disk (e-STUDIO5540C/6540C/6550C only)	Fig. 3-22	68-8
F29	Upper exhaust fan (left)	Exhausting the heat inside (upper) the equipment	Fig. 3-24	49-101
F30	Upper exhaust fan (right)		Fig. 3-24	49-101
F31	Toner cooling exhaust fan	Exhausting the heat inside the equipment so as not to conduct it to the toner	Fig. 3-24	47-29
F32	Upper exit section cooling fan-1	Cooling the paper which exits in the upper exit section	Fig. 3-24	36-101
F33	Upper exit section cooling fan-2		Fig. 3-24	36-101
F34	Lower exit section cooling fan-1	Cooling the paper which exits in the lower exit section	Fig. 3-24	35-45
F35	Lower exit section cooling fan-2		Fig. 3-24	35-45
F36	Lower exit section cooling fan-3		Fig. 3-24	49-60

Symbol	Name	Function	Remarks	P-I
F37	Power supply unit cooling fan-1	Cooling down the power supply unit	Fig. 3-23	70-26
F38	Power supply unit cooling fan-2		Fig. 3-23	70-26

3.3.3 Sensors

Symbol	Name	Function	Remarks	P-I
SR1	Original tray sensor	Detects the length of the original set on the original tray.	Fig. 3-3	93-2
SR2	Original tray width sensor	Detects the width of the original set on the original tray.	Fig. 3-3	93-12
SR3	Original empty sensor	Detects the original set on the original tray.	Fig. 3-3	81-3
SR4	Original reading end sensor	Detecting the trailing edge of the original at the original scanning section	Fig. 3-3	85-5
SR5	Original registration sensor	Detects transport of the original at the registration roller section.	Fig. 3-3	82-14
SR6	Original width detection sensor-1	Detects the width of the original.	Fig. 3-3	82-14
SR7	Original width detection sensor-2	Detects the width of the original.	Fig. 3-3	82-14
SR8	Original width detection sensor-3	Detects the width of the original.	Fig. 3-3	82-14
SR9	Original intermediate transport sensor	Detects the original transported to the pre-scanning section.	Fig. 3-3	85-25
SR10	Original reading start sensor	Detects the leading edge of the original at the original scanning section.	Fig. 3-3	85-23
SR11	Original exit/reverse sensor	Detects the stop reference position for an original when in reverse.	Fig. 3-3	86-14
SR12	Original exit sensor	Detects the exit (transit) of an original.	Fig. 3-3	83-10
SR13	Original jam access cover opening/closing sensor	Detects opening/closing of the Jam access cover.	Fig. 3-3	81-3
SR14	Original reverse unit opening/closing sensor	Detecting the opening/closing status of the original reverse unit.	Fig. 3-3	85-6
SR15	RADF opening/closing sensor	Detecting the opening/closing status of the RADF.	Fig. 3-3	88-2
S1	Automatic original detection sensor (APS-2)	Detecting original size (only for A4 series models)	Fig. 3-5	54-11
S2	Automatic original detection sensor (APS-C)	Detecting original size	Fig. 3-5	54-11
S3	Automatic original detection sensor (APS-1)	Detecting original size	Fig. 3-5	54-11
S4	Automatic original detection sensor (APS-3)	Detecting original size	Fig. 3-5	54-11
S5	Automatic original detection sensor (APS-R)	Detecting original size	Fig. 3-5	54-14
S6	Carriage home position sensor	Detecting the carriage home position	Fig. 3-5	54-18
S7	Platen sensor	Detecting the opening/closing status of the RADF	Fig. 3-5	51-23
S8	Toner cartridge paddle rotation detection sensor-K	Detecting the paddle rotation in the K toner cartridge	Fig. 3-15	45-11
S9	Toner cartridge paddle rotation detection sensor-C	Detecting the paddle rotation in the C toner cartridge	Fig. 3-15	45-11
S10	Toner cartridge paddle rotation detection sensor-M	Detecting the paddle rotation in the M toner cartridge	Fig. 3-15	45-11
S11	Toner cartridge paddle rotation detection sensor-Y	Detecting the paddle rotation in the Y toner cartridge	Fig. 3-15	45-11
S12	Temperature/humidity sensor	Detecting the ambient temperature/humidity of the equipment	Fig. 3-10	48-12

Symbol	Name	Function	Remarks	P-I
S13	Waste toner amount detection sensor	Detecting the amount of waste toner in the waste toner box	Fig. 3-15	65-45
S14	Waste toner box full detection sensor	Detecting the full status of waste toner in the waste toner box	Fig. 3-15	65-45
S16	Waste toner detection sensor	Detecting the presence of the waste toner box and the opening/closing status of the waste toner box cover	Fig. 3-15	5-17
S17	TRU waste toner amount detection sensor	Detecting the amount of waste toner in the TRU waste toner box	Fig. 3-17	27-46
S20	Image position aligning sensor (front)	Detecting the front side position of a toner image (test pattern) developed on the transfer belt	Fig. 3-13	6-5
S21	Image position aligning sensor (center)	Detecting the center position of a toner image (test pattern) developed on the transfer belt	Fig. 3-13	6-5
S22	Image position aligning sensor (rear)	Detecting the rear side position of a toner image (test pattern) developed on the transfer belt	Fig. 3-13	6-5
S23	Image quality sensor	Detecting the density of a toner image (test pattern) developed on the transfer belt surface	Fig. 3-13	6-6
S24	Shutter sensor (home position)	Detecting the home position of the laser emission outlet (slit glass) protective shutter	Fig. 3-14	48-1
S25	Shutter sensor (end position)	Detecting the end position of the laser emission outlet (slit glass) protective shutter	Fig. 3-14	48-1
S26	Auto-toner sensor-K	Detecting the toner density in the K developer unit	Fig. 3-10	62-20
S27	Auto-toner sensor-C	Detecting the toner density in the C developer unit	Fig. 3-10	62-20
S28	Auto-toner sensor-M	Detecting the toner density in the M developer unit	Fig. 3-10	62-20
S29	Auto-toner sensor-Y	Detecting the toner density in the Y developer unit	Fig. 3-10	62-20
S30	Needle electrode cleaner detection sensor-K	Detecting the cleaning operation for the needle electrode (Detecting that the needle electrode cleaner has reached the limit position)	Fig. 3-10	59-4
S31	Needle electrode cleaner detection sensor-C	Detecting the cleaning operation for the needle electrode (Detecting that the needle electrode cleaner has reached the limit position)	Fig. 3-10	59-4
S32	Needle electrode cleaner detection sensor-M	Detecting the cleaning operation for the needle electrode (Detecting that the needle electrode cleaner has reached the limit position)	Fig. 3-10	59-4
S33	Needle electrode cleaner detection sensor-Y	Detecting the cleaning operation for the needle electrode (Detecting that the needle electrode cleaner has reached the limit position)	Fig. 3-10	59-4
S34	Drum surface potential (V0) sensor-K	Detecting the K drum surface potential at charging (e-STUDIO6550C/6570C only)	Fig. 3-10	59-22
S38	Sub-hopper toner sensor-K	Detecting the toner amount in the K sub-hopper	Fig. 3-15	58-23
S39	Sub-hopper toner sensor-C	Detecting the toner amount in the C sub-hopper	Fig. 3-15	58-23
S40	Sub-hopper toner sensor-M	Detecting the toner amount in the M sub-hopper	Fig. 3-15	58-23

Symbol	Name	Function	Remarks	P-I
S41	Sub-hopper toner sensor-Y	Detecting the toner amount in the Y sub-hopper	Fig. 3-15	58-23
S42	Auger lock detection sensor	Detecting the auger operation in the waste toner transport unit	Fig. 3-15	61-19
S43	Color drum phase sensor	Detecting the rotation phase of Y, M and C drums	Fig. 3-9	56-7
S44	K drum phase sensor	Detecting the rotation phase of K drum	Fig. 3-9	56-7
S46	Transfer belt contact/release detection sensor	Detecting the contact/release status of the transfer belt	Fig. 3-12	33-2
S47	Transfer belt paper clinging detection sensor	Detecting paper clinging underneath the transfer belt	Fig. 3-13	28-4
S48	Pressure roller contact/release detection sensor	Detecting the contact/release status of the fuser unit	Fig. 3-7	40-36
S49	Fuser belt rotation detection sensor	Detecting the rotation of the fuser belt	Fig. 3-7	40-30
S50	2nd transfer roller contact/release detection sensor	Detecting the contact/release status of the 2nd transfer roller	Fig. 3-13	28-4
S51	2nd transfer side paper clinging detection sensor	Detecting paper clinging on the 2nd transfer roller side	Fig. 3-13	-
S52	Registration sensor	Detecting paper transport at the registration roller section	Fig. 3-13	10-13
S55	Bridge unit path entrance sensor	Detecting the transporting status of paper at the entrance of the bridge unit	Fig. 3-6	23-7
S56	Bridge unit path exit sensor	Detecting the transporting status of paper inside of the bridge unit	Fig. 3-6	23-7
S57	Reverse path sensor	Detecting the transporting status of the reversed paper	Fig. 3-6	20-28
S58	Reverse section stationary jam detection sensor	Detecting jams at the reverse section	Fig. 3-6	25-8
S59	Reverse sensor	Detecting the reversed paper	Fig. 3-6	26-25
S60	Reverse section paper transport detection sensor	Detecting the transporting status of paper at the reverse section	Fig. 3-6	37-16
S61	Upper paper exit sensor	Detecting the exiting status of paper on the upper exit tray	Fig. 3-6	36-11
S62	Upper exit tray paper full detection sensor	Detecting the full status of paper exited on the upper exit tray	Fig. 3-6	36-10
S63	Lower paper exit sensor	Detecting the exiting status of paper on the side exit tray	Fig. 3-6	35-11
S64	Duplexing unit opening/closing detection sensor	Detecting the opening/closing status of the automatic duplexing unit	Fig. 3-16	20-28
S65	Fuser transport sensor	Detecting the transporting status of paper at the fuser unit	Fig. 3-7	22-19
S66	Duplexing unit path entrance sensor	Detecting the transporting status of paper at the entrance of the automatic duplexing unit	Fig. 3-16	21-45
S67	Duplexing unit path exit sensor	Detecting the transporting status of paper inside of the automatic duplexing unit	Fig. 3-16	21-45
S69	Media sensor	Detecting thick paper	Fig. 3-18	22-6
S70	Bypass paper size detection sensor	Detecting the width of paper on the bypass feed unit	Fig. 3-18	17-14
S71	Bypass paper sensor	Detecting the presence of paper on the bypass feed unit	Fig. 3-18	15-65
S72	Bypass feed sensor	Detecting transported paper fed from the bypass feed unit	Fig. 3-18	16-65
S73	1st drawer detection sensor	Detecting the presence of the 1st drawer	Fig. 3-20	11-7
S74	1st drawer bottom sensor	Detecting the lowering status of the tray in the 1st drawer	Fig. 3-19	47-7

Symbol	Name	Function	Remarks	P-I
S75	1st drawer empty sensor	Detecting the presence of the paper in the 1st drawer	Fig. 3-20	11-7
S76	1st drawer tray-up sensor	Detecting the lifting status of the tray in the 1st drawer	Fig. 3-20	11-7
S77	1st drawer transport sensor	Detecting the paper transport at the paper feeding system of the 1st drawer	Fig. 3-20	11-45
S78	1st drawer feed sensor	Detecting the paper feeding status of the 1st drawer	Fig. 3-20	11-45
S79	1st drawer paper size detection sensor-1	Detecting the size of paper in the 1st drawer	Fig. 3-19	46-20
S80	1st drawer paper size detection sensor-2	Detecting the size of paper in the 1st drawer	Fig. 3-19	46-20
S81	2nd drawer detection sensor	Detecting the presence of the 2nd drawer	Fig. 3-20	11-7
S82	2nd drawer bottom sensor	Detecting the lowering status of the tray in the 2nd drawer	Fig. 3-19	47-7
S83	2nd drawer empty sensor	Detecting the presence of the paper in the 2nd drawer	Fig. 3-20	11-7
S84	2nd drawer tray-up sensor	Detecting the lifting status of the tray in the 2nd drawer	Fig. 3-20	11-7
S85	2nd drawer transport sensor	Detecting the paper transport at the paper feeding system of the 2nd drawer	Fig. 3-20	11-45
S86	2nd drawer feed sensor	Detecting the paper feeding status of the 2nd drawer	Fig. 3-20	11-45
S87	2nd drawer paper size detection sensor-1	Detecting the size of paper in the 2nd drawer	Fig. 3-19	46-20
S88	2nd drawer paper size detection sensor-2	Detecting the size of paper in the 2nd drawer	Fig. 3-19	46-20
S89	3rd drawer/tandem LCF detection sensor	Detecting the presence of the 3rd drawer or the tandem LCF	Fig. 3-20	11-7
S90	3rd drawer bottom sensor	Detecting the lowering status of the tray in the 3rd drawer	Fig. 3-19	47-7
S91	3rd drawer/tandem LCF empty sensor	Detecting the presence of the paper in the 3rd drawer or the tandem LCF	Fig. 3-20	11-7
S92	3rd drawer/tandem LCF tray-up sensor	Detecting the lifting status of the tray in the 3rd drawer or the tandem LCF	Fig. 3-20	11-7
S93	3rd drawer/tandem LCF transport sensor	Detecting the paper transport at the paper feeding system of the 3rd drawer or the tandem LCF	Fig. 3-20	11-45
S94	3rd drawer/tandem LCF feed sensor	Detecting the paper feeding status of the 3rd drawer or the tandem LCF	Fig. 3-20	11-45
S95	3rd drawer paper size detection sensor-1	Detecting the size of paper in the 3rd drawer	Fig. 3-19	46-20
S96	3rd drawer paper size detection sensor-2	Detecting the size of paper in the 3rd drawer	Fig. 3-19	46-20
S97	4th drawer detection sensor	Detecting the presence of the 4th drawer	Fig. 3-20	11-7
S98	4th drawer bottom sensor	Detecting the lowering status of the tray in the 4th drawer	Fig. 3-19	47-7
S99	4th drawer empty sensor	Detecting the presence of the paper in the 4th drawer	Fig. 3-20	11-7
S100	4th drawer tray-up sensor	Detecting the lifting status of the tray in the 4th drawer	Fig. 3-20	11-7
S101	4th drawer transport sensor	Detecting the paper transport at the paper feeding system of the 4th drawer	Fig. 3-20	11-45
S102	4th drawer feed sensor	Detecting the paper feeding status of the 4th drawer	Fig. 3-20	11-45

Symbol	Name	Function	Remarks	P-I
S103	4th drawer paper size detection sensor-1	Detecting the size of paper in the 4th drawer	Fig. 3-19	46-20
S104	4th drawer paper size detection sensor-2	Detecting the size of paper in the 4th drawer	Fig. 3-19	46-20
S106	Standby side tray paper amount detection sensor	Detecting the remaining amount of paper on the standby side tray in the tandem LCF	Fig. 3-21	13-15
S107	Tandem LCF bottom sensor	Detecting the descending status of the trays in the tandem LCF	Fig. 3-21	14-32
S108	Standby side tray detection sensor	Detecting the presence of the standby side tray in the tandem LCF	Fig. 3-21	46-26
S109	Standby side empty sensor	Detecting the presence of the paper at the standby side of the tandem LCF	Fig. 3-21	13-15
S110	Stopper opening/closing detection sensor (front)	Detecting the opening/closing status of the front stopper in the tandem LCF	Fig. 3-21	14-32
S111	Stopper opening/closing detection sensor (rear)	Detecting the opening/closing status of the rear stopper in the tandem LCF	Fig. 3-21	14-32
S112	End fence home position sensor	Detecting the end fence home position in the tandem LCF	Fig. 3-21	13-15
S113	End fence stop position sensor	Detecting the end fence stop position in the tandem LCF	Fig. 3-21	13-15
S114	Feed cover sensor	Detecting the opening/closing status of the feed cover	Fig. 3-17	7-4

3.3.4 Switches

Symbol	Name	Function	Remarks	P-I
SWR1	Jam access cover opening/closing switch	Switches between cutoff and supply state of the 24 V power by opening/closing of the jam access cover.	Fig. 3-3	81-1
SWR2	RADF opening/closing switch	Detecting the opening/closing status of the RADF Switches between cutoff and supply state of the 24 V power by opening/closing of the RADF. (RADF open: Shutdown)	Fig. 3-3	88-9
SW1	Main power switch	Turning the main power of the equipment ON/OFF	Fig. 3-17	44-41
SW2	Interlock switch	Supplying or shutting down the AC power to the switching regulator (Cover interlock system voltage generation circuit) by opening/closing the front cover or duplexing unit (Cover/unit open: Shutdown)	Fig. 3-16	44-10
SW3	Toner motor interlock switch	Supplying or shutting down the power to the toner motor by opening/closing the front cover (Cover open: Shutdown)	Fig. 3-17	44-14
SW4	Duplexing unit interlock switch	Supplying or shutting down the IH power by opening/closing the duplexing unit (Unit open: Shutdown)	Fig. 3-16	46-6
SW5	Reverse path cover switch	Switching the opening/closing of the reverse path cover	Fig. 3-6	37-13
SW7	Duplexing unit cover opening/closing detection switch	Detecting the opening/closing status of the cover of the automatic duplexing unit	Fig. 3-16	18-40
SW8	Bridge unit connecting detection switch	Detecting the connection of the bridge unit	Fig. 3-17	44-13
SW9	Front cover opening/closing detection switch	Detecting the opening/closing of the front cover	Fig. 3-17	44-13

3.3.5 Electromagnetic spring clutches

Symbol	Name	Function	Remarks	P-I
CLT1	Pressure roller contact/release clutch	Driving the contacting/releasing operation of the pressure roller	Fig. 3-7	39-7
CLT4	3rd drawer transport clutch	Driving the transport roller of the 3rd drawer or the tandem LCF	Fig. 3-19	9-42
CLT5	3rd drawer feed clutch	Driving the separation roller, feed roller and pickup roller of the 3rd drawer or the tandem LCF	Fig. 3-19	9-42
CLT6	4th drawer transport clutch	Driving the transport roller of the 4th drawer	Fig. 3-19	9-42
CLT7	4th drawer feed clutch	Driving the separation roller, feed roller and pickup roller of the 4th drawer	Fig. 3-19	9-42

3.3.6 Solenoids

Symbol	Name	Function	Remarks	P-I
SOLR1	Original pickup solenoid	Drives up and down the original pickup roller.	Fig. 3-4	89-10
SOLR2	Original reverse solenoid	Drives the reverse flapper. (Switches the flapper to the reverse side when turned to ON.)	Fig. 3-4	89-13
SOLR3	Original exit solenoid	Drives the exit flapper. (Switches the flapper to the original reverse tray side when turned to ON.)	Fig. 3-4	89-13
SOL1	Transport path switching solenoid-1	Driving the switching operation of the bridge unit transport paths	Fig. 3-6	24-28
SOL2	Transport path switching solenoid-2	Driving the switching operation of the bridge unit transport paths	Fig. 3-6	24-28
SOL3	Image quality shutter solenoid	Driving the sensor shutter of the image position aligning sensor (front / center / rear) and image quality sensor	Fig. 3-13	6-11
SOL4	V0 sensor shutter solenoid-K	Driving the opening/closing operation of the shutter of the drum surface potential (V0) sensor-K (e-STUDIO6550C/6570C only)	Fig. 3-11	59-33
SOL8	Bypass pickup solenoid	Driving the lifting movement of the bypass pickup roller	Fig. 3-18	15-5
SOL9	Tandem LCF solenoid	Driving the lifting movement of the tandem LCF pickup roller	Fig. 3-21	11-62
SOL10	Stopper opening/closing solenoid (front)	Driving the opening/closing operation of the front stopper in the tandem LCF	Fig. 3-21	14-28
SOL11	Stopper opening/closing solenoid (rear)	Driving the opening/closing operation of the rear stopper in the tandem LCF	Fig. 3-21	14-28

3.3.7 PC boards

Symbol	Name	Function	Remarks	P-I
RADF	RADF control PC board	Controls the RADF.	Fig. 3-4	88-23
CCD	CCD driving PC board (CCD board)	Scanning originals with CCD	Fig. 3-5	54-15
SLG	Scanning section control PC board (SLG board)	Controlling the scanning section	Fig. 3-5	54-9
INV	Lamp inverter board	Controlling the exposure lamp	Fig. 3-5	52-4
DSP	Display PC board (DSP board)	Controlling the whole control panel	Fig. 3-26	3-32
KEY1	Key PC board-1 (KEY-1 board)	Controlling the key switches and LEDs	Fig. 3-26	3-31
KEY2	Key PC board-2 (KEY-2 board)	Controlling the key switches and LEDs	Fig. 3-26	3-30
IMG	Image processing PC board (IMG board)	Controlling the image processing	Fig. 3-22	68-13
SYS	System control PC board (SYS board)	Controlling the whole system and image processing	Fig. 3-22	68-29
LGC	Logic PC board (LGC board)	Controlling the print engine section	Fig. 3-22	69-18
SNS	H-sync detection PC board (SNS board)	Detecting the laser beam position	Fig. 3-14	48-1
LDR-Y	Laser driving PC board-Y (LDR-Y board)	Driving the Y laser diode	Fig. 3-14	48-1
LDR-M	Laser driving PC board-M (LDR-M board)	Driving the M laser diode	Fig. 3-14	48-1
LDR-C	Laser driving PC board-C (LDR-C board)	Driving the C laser diode	Fig. 3-14	48-1
LDR-K	Laser driving PC board-K (LDR-K board)	Driving the K laser diode	Fig. 3-14	48-1
EPU	EPU PC board (EPU board)	Storing information of the developer unit (EPU)	Fig. 3-11	61-24
V0S	Drum surface potential sensors control PC board (V0S board)	Controlling the drum surface potential (V0) sensors	Fig. 3-11	61-25
PFC	Paper feeding control PC board (PFC board)	Controlling paper feeding	Fig. 3-22	69-23
ADU	ADU control PC board (ADU board)	Controlling the automatic duplexing unit	Fig. 3-16	18-35
DRV	DRV PC board	Controlling bypass unit, transfer belt unit and paper exiting	Fig. 3-6	46-35
IH	Heater control PC board (IH board)	Controlling the IH coil of the fuser unit	Fig. 3-8	38-34
FIL	Filter PC board (FIL board)	<ul style="list-style-type: none"> Filtering out the AC power noise Power supplying to each damp heater 	Fig. 3-22	70-6
RAM-S	SRAM board <for SYS board>	Storing the setting or adjustment value, etc. used for the control by the system control PC board	Fig. 3-22	68-30
RAM-L	SRAM board <for LGC board>	Storing the setting or adjustment value, etc. used for the control by the logic PC board	Fig. 3-22	69-20

3.3.8 Lamps, coils, and heaters

Symbol	Name	Function	Remarks	P-I
EXP	Exposure lamp	Exposing originals	Fig. 3-5	52-9
ERS-K	Discharge LED-K	Eliminating residual charge on the K drum surface	Fig. 3-11	64-20
ERS-C	Discharge LED-C	Eliminating residual charge on the C drum surface	Fig. 3-11	64-20
ERS-M	Discharge LED-M	Eliminating residual charge on the M drum surface	Fig. 3-11	64-20
ERS-Y	Discharge LED-Y	Eliminating residual charge on the Y drum surface	Fig. 3-11	64-20
LED	Fuser unit jam releasing LED	Illuminating the exit roller section of the fuser unit for releasing paper jams	Fig. 3-16	44-55
LAMP	Pressure roller heater lamp	Heating of the pressure roller <ul style="list-style-type: none"> • Center heater lamp • Side heater lamp • Sub heater lamp (for e-STUDIO5540C/6540C/6550C MJC, MJD)	Fig. 3-8	42-30
IH-COIL	IH coil	Heating of the fuser belt	Fig. 3-8	43-13
DH1	Scanner damp heater (Left)	Preventing condensation of the mirrors of the carriage	Fig. 3-25	-
DH2	Scanner damp heater (Right)	Preventing condensation of the lens	Fig. 3-25	54-34
DH3	Drum damp heater	Preventing condensation of the drum	Fig. 3-25	5-20

3.3.9 Thermistors, thermopiles, and thermostats

Symbol	Name	Function	Remarks	P-I
THM1	Drum thermistor-K	Detecting the surface temperature of the drum for K	Fig. 3-10	59-27
THM2	Drum thermistor-Y	Detecting the surface temperature of the drum for Y	Fig. 3-10	59-27
THM3	Pressure roller center thermistor	Detecting the surface temperature of the center of the pressure roller	Fig. 3-7	42-15
THM4	Pressure roller side thermistor	Detecting the surface temperature of the side of the pressure roller	Fig. 3-7	42-15
THM5	Pressure roller edge thermistor	Detecting the surface temperature of the front edge of the pressure roller	Fig. 3-7	42-15
THM6	Fuser belt edge thermistor	Detecting the surface temperature of the front edge of the fuser belt	Fig. 3-7	40-23
THMP1	Fuser belt thermopile	Detecting the surface temperature of the fuser belt	Fig. 3-7	38-2
THMO1	Scanner damp heater thermostat	Controlling the temperature of the scanner damp heater	Fig. 3-25	-
THMO2	Pressure roller center thermostat	Controlling the temperature of the center of the pressure roller	Fig. 3-7	42-16
THMO3	Pressure roller side thermostat	Controlling the temperature of the side of the pressure roller	Fig. 3-7	42-17
THMO4	Fuser belt thermostat	Controlling the temperature of the Fuser belt	Fig. 3-7	43-42

3.3.10 Transformer

Symbol	Name	Function	Remarks	P-I
HVT1	PS-HVT1 High-voltage transformer-1	Generating high-voltage and supplying it to the following sections <ul style="list-style-type: none"> • Main charger needle electrode • Main charger grid • Developer bias 	Fig. 3-23	70-1
HVT2	PS-HVT2 High-voltage transformer-2	Generating high-voltage and supplying it to the following sections <ul style="list-style-type: none"> • 1st transfer bias • 2nd transfer bias 	Fig. 3-23	70-4

3.3.11 Others

Symbol	Name	Function	Remarks	P-I
TCP	TCP Touch panel	Displaying and entering various kinds of information	Fig. 3-26	3-23
HDD	HDD Hard disk	Saving program data and image data	Fig. 3-22	68-24
PS	PS-ACC Switching regulator	Generating DC voltage and supplying it to each section of the equipment	Fig. 3-23	71-26 72-26
BRK	BRK Breaker	Preventing overcurrent to the equipment	Fig. 3-23	70-7

3.4 Copy Process

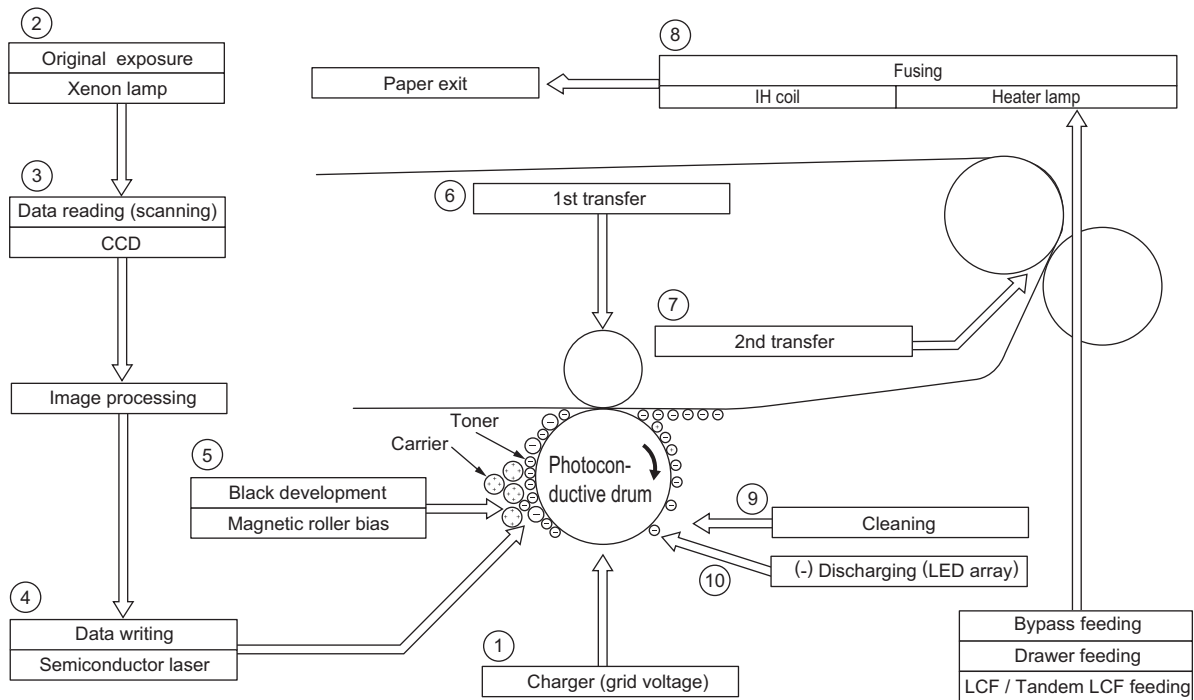


Fig. 3-27

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|--|--|
| <p>(1) Charging: Places a negative charge on the surface of the photoconductive drum.</p> <p style="text-align: center;">↓</p> <p>(2) Original exposure: Converts images on the original into optical signals.</p> <p style="text-align: center;">↓</p> <p>(3) Data reading: The optical image signals are read into CCD and converted into electrical signals.</p> <p style="text-align: center;">↓</p> <p>(4) Data writing: The electrical image signals are changed to light signals (by laser emission) which expose the surface of the photoconductive drum.</p> <p style="text-align: center;">↓</p> <p>(5) Development: Negatively-charged toner is made to adhere to the photoconductive drum, producing a visible image.</p> <p style="text-align: center;">↓</p> | <p>(6) 1st transfer: Transfers the visible image (toner) on photoconductive drum to the transfer belt.</p> <p style="text-align: center;">↓</p> <p>(7) 2nd transfer: Transfers the visible image (toner) on the transfer belt to paper.</p> <p style="text-align: center;">↓</p> <p>(8) Fusing: Fuses the toner image to the paper by applying heat and pressure.</p> <p style="text-align: center;">↓</p> <p>(9) Blade cleaning: While scraping off the residual toner from the drum by the blade.</p> <p style="text-align: center;">↓</p> <p>(10) (-) Discharging: Eliminates the residual (-) charge from the surface of the photoconductive drum.</p> |
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3.5 Comparison with e-STUDIO5520C/6520C/6530C

Process		e-STUDIO5520C/6520C/6530C	e-STUDIO5540C/6540C/6550C
1. Photoconductive drum	Drum	OD-FC55 (OPC drum)	←
	Sensitivity	Highly sensitized drum (ø60)	←
2. Charging		Scorotron type -250 to -1200 V (grid voltage) (adjusting by image quality control) (feedback control with the surface potential sensor)	← (Feedback control with the surface potential sensor only for K station in e-STUDIO6550C)
3. Data writing	Light source	Semiconductor laser	←
	Light amount	3.25 nJ/mm ²	←
4. Image control		Image quality control by detecting toner adhesion amount	←
5. Development	Magnetic roller	One magnetic roller	←
	Auto-toner detection	Magnetic bridge-circuit method	←
	Toner supply	Toner cartridge replacing method	←
	Toner-empty detection	Density detection method	←
	Cartridge-empty detection	Sub-hopper toner remaining amount detection method	←
	Toner	NAC/NAD T-FC55-K, T-FC55-Y T-FC55-M, T-FC55-C MJC/MJD T-FC55-EK, T-FC55-EY T-FC55-EM, T-FC55-EC CND T-FC55-CK, T-FC55-CY T-FC55-CM, T-FC55-CC Others T-FC55-DK, T-FC55-DY T-FC55-DM, T-FC55-DC (K: Black, Y: Yellow, M: Magenta, C: Cyan)	NAC/NAD T-FC65-K, T-FC65-Y T-FC65-M, T-FC65-C MJC/MJD T-FC65-EK, T-FC65-EY T-FC65-EM, T-FC65-EC CND T-FC65-CK, T-FC65-CY T-FC65-CM, T-FC65-CC Others T-FC65-DK, T-FC65-DY T-FC65-DM, T-FC65-DC (K: Black, Y: Yellow, M: Magenta, C: Cyan)
	Developer material	D-FC55-K (black) D-FC55-Y (yellow) D-FC55-M (magenta) D-FC55-C (cyan)	←
Developer bias	DC -100 to -900V (adjusting by image quality control) AC 1000 V / 8 to 13kHz	←	
6. Transfer	1st transfer	Transfer belt method	←
	2nd transfer:	Transfer roller method	←
7. Separation		Self-separation by transfer belt and 2nd transfer roller	←
8. Photoconductive drum cleaning	Method	Blade cleaning	←
	Recovered toner	Non-reusable	←
9. Transfer belt cleaning		Blade cleaning	←
10. Discharge		LED array (red)	←

Process		e-STUDIO5520C/6520C/6530C	e-STUDIO5540C/6540C/6550C
11.Fusing	Method	External heating STF fusing system	External IH heating fusing and heat pipe roller soaking systems
	Fuser roller side	Satellite roller: Aluminum roller (ø17)	Heat pipe roller: Roller in which a heat pipe is embedded (ø17.4)
		Fuser roller: Sponge roller (ø48.5)	←
		Fuser belt: PFA tube belt (ø60)	←
		IH coil: 2 coils <ul style="list-style-type: none"> • 200 to 1240W (for MJC/MJD) • 200 to 1100W (for NAC/NAD, ASU, ASD, ARD, AUC/AUD, CND) 	IH coil: 1 coil <ul style="list-style-type: none"> • 200 to 1240W (for MJC/MJD) • 200 to 1100W (for NAC/NAD, ASU, ASD, ARD, AUC/AUD, CND)
	Pressure roller side	Pressure roller: Silicon rubber roller, (Surface-PFA tube)(ø50) Heater lamp: <ul style="list-style-type: none"> • 300 W x 2 (for NAC/NAD) • 300 W x 2 + 800 W x 1 (for MJC/MJD) • 300 W x 2 (for ASU, ASD, ARD, AUC/AUD, CND) 	←
	Cleaning	None	←
	Heater temperature	ON/OFF control and power control by thermopile/thermistor	←
Heater	IH coil + Heater lamp	←	

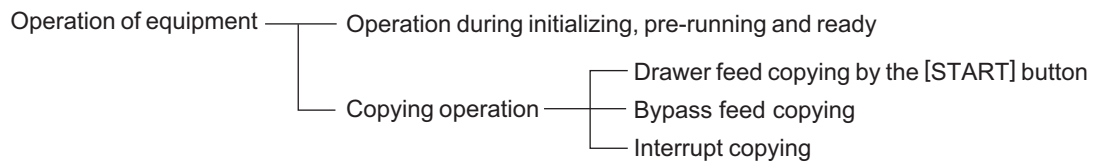
3.6 Comparison with e-STUDIO5540C/6540C/6550C

Process		e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/6570C
1. Photoconductive drum	Drum	OD-FC55 (OPC drum)	←
	Sensitivity	Highly sensitized drum (ø60)	←
2. Charging		Scorotron type -250 to -1200 V (grid voltage) (adjusting by image quality control) (Feedback control with the surface potential sensor only for K station in e-STUDIO6550C)	← (adjusting by image quality control) (Feedback control with the surface potential sensor only for K station in e-STUDIO6570C)
3. Data writing	Light source	Semiconductor laser	←
	Light amount	3.25 nJ/mm ²	←
4. Image control		Image quality control by detecting toner adhesion amount	←
5. Development	Magnetic roller	One magnetic roller	←
	Auto-toner detection	Magnetic bridge-circuit method	←
	Toner supply	Toner cartridge replacing method	←
	Toner-empty detection	Density detection method	←
	Cartridge-empty detection	Sub-hopper toner remaining amount detection method	←
	Toner	NAC/NAD T-FC65-K, T-FC65-Y T-FC65-M, T-FC65-C MJC/MJD T-FC65-EK, T-FC65-EY T-FC65-EM, T-FC65-EC CND T-FC65-CK, T-FC65-CY T-FC65-CM, T-FC65-CC Others T-FC65-DK, T-FC65-DY T-FC65-DM, T-FC65-DC (K: Black, Y: Yellow, M: Magenta, C: Cyan)	NAC/NAD PS-ZTFC75UK PS-ZTFC75UY PS-ZTFC75UM PS-ZTFC75UC MJC/MJD PS-ZTFC75EK PS-ZTFC75EY PS-ZTFC75EM PS-ZTFC75EC AUD PS-ZTFC75DK PS-ZTFC75DY PS-ZTFC75DM PS-ZTFC75DC ARD PS-ZTFC75AK PS-ZTFC75AY PS-ZTFC75AM PS-ZTFC75AC CND PS-ZTFC65CK PS-ZTFC65CY PS-ZTFC65CM PS-ZTFC65CC Others PS-ZTFC75PK PS-ZTFC75PY PS-ZTFC75PM PS-ZTFC75PC (K: Black, Y: Yellow, M: Magenta, C: Cyan)
	Developer material	D-FC55-K (black) D-FC55-Y (yellow) D-FC55-M (magenta) D-FC55-C (cyan)	D-FC65-K (black) D-FC65-Y (yellow) D-FC65-M (magenta) D-FC65-C (cyan)
Developer bias	DC -100 to -900V (adjusting by image quality control) AC 1000 V / 8 to 13kHz	←	
6. Transfer	1st transfer	Transfer belt method	←
	2nd transfer:	Transfer roller method	←

Process		e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/6570C
7. Separation		Self-separation by transfer belt and 2nd transfer roller	←
8. Photoconductive drum cleaning	Method	Blade cleaning	←
	Recovered toner	Non-reusable	←
9. Transfer belt cleaning		Blade cleaning	←
10. Discharge		LED array (red)	←
11. Fusing	Method	External IH heating fusing and heat pipe roller soaking systems	←
	Fuser roller side	Heat pipe roller: Roller in which a heat pipe is embedded (ø17.4)	←
		Fuser roller: Sponge roller (ø48.5)	←
		Fuser belt: PFA tube belt (ø60)	←
		IH coil: 1 coil <ul style="list-style-type: none"> • 200 to 1240W (for MJC/MJD) • 200 to 1100W (for NAC/NAD, ASU, ASD, ARD, AUC/AUD, CND) 	←
	Pressure roller side	Pressure roller: Silicon rubber roller, (Surface-PFA tube)(ø50) Heater lamp: <ul style="list-style-type: none"> • 300 W x 2 (for NAC/NAD) • 300 W x 2 + 800 W x 1 (for MJC/MJD) • 300 W x 2 (for ASU, ASD, ARD, AUC/AUD, CND) 	Pressure roller: Silicon rubber roller, (Surface-PFA tube)(ø50) Heater lamp: <ul style="list-style-type: none"> • 300 W x 2
	Cleaning	None	←
	Heater temperature	ON/OFF control and power control by thermopile/thermistor	←
Heater	IH coil + Heater lamp	←	

3.7 General Operation

3.7.1 Overview of Operation



3.7.2 Description of Operation

[1] Warming-up

1. Initialization

- Power ON
- IH coils (IH-COIL) / Heater lamps (LAMP) ON
- The set number "1", reproduction ratio "100%" and "Wait Warming Up" are displayed.
- Fan motors ON
- Initialization of laser optical system
 - The polygonal motor (M34) rotates at high speed.
- Initialization of feeding system
 - Each drawer tray goes up.
 - Tandem LCF tray goes up.
- The pre-running operation is stopped after five seconds.
- Initialization of process unit system (process unit related section)
 - The 2nd transfer roller moves to the releasing position.
 - The transfer belt moves to the releasing position.
 - The needle electrode cleaner moves to the home position.
- Drum phasing
 - The drum motor (M27, M28) is turned ON.
 - The transfer belt motor (M13) is turned ON.
- Cleaning of transfer belt
 - (Performs color registration control.)*¹
 - (Performs drum surface potential sensors control. (e-STUDIO6550C/6570C only))*¹
 - (Performs image quality control.)*¹
- Initialization of scanning system
 - The carriage moves to the home position.
 - The carriage moves to the peak detection position.
 - The exposure lamp (EXP) is turned ON.
 - Peak detection (the white color is detected by the shading correction plate)
 - The exposure lamp (EXP) is turned OFF.
- The polygonal motor (M34) rotates at low speed.
- "READY (WARMING UP)" is displayed.

2. Pre-running operation

The pre-running operation is started at the corresponding starting timing or when the temperature of the pressure roller surface becomes pre-running.

- The fuser motor (M6) is turned ON.
- Fuser roller rotation.

3. When the temperature of the fuser belt and pressure roller surfaces becomes sufficient for fusing,

- The IH coil (IH-COIL) / Heater lamps (LAMP) is turned OFF.
- "READY" is displayed.
- The polygonal motor (M34) rotates at high speed for 30 seconds.

*1: Image quality control and color registration control should be performed only at a change of environment or at periodical maintenance.

[2] Ready (ready for copying)

- Buttons on the control panel enabled
- When no button is pressed for a certain period of time,
 - The set number "1" and reproduction ratio "100%" are displayed. The equipment returns to the normal ready state.
- The fuser unit repeats rotation and stopping

[3] Drawer feed copying (1st drawer paper feeding)

1. Press the [START] button.
 - "READY" changes to "COPYING".
 - The exposure lamp (EXP) is turned ON
 - The scan motor (M1) is turned ON. → Carriages-1 and -2 move forward.
 - The polygonal motor (M34) rotates at high speed.
 - The drum motor (M27, M28), transport motor (M40, M41), transfer belt motor (M13), 2nd transfer cam motor (M48), developer unit motor (M29, M31), developer unit mixer motor (M30, M32), fuser motor (M6) and exit motor (M2) are turned ON.
 - The drum, transfer belt, fuser unit, developer unit and exit roller are driven.
2. Drawer paper feeding
 - The fans are rotated at high speed and feed motor (M42) is turned ON.
 - The pickup roller, feed roller, separation roller and transport roller start to rotate.
 - Paper reaches the 1st drawer feed sensor (S78).
 - The 1st drawer feed sensor (S78) is turned ON.
 - Paper reaches the registration roller
 - The registration sensor (S52) is turned ON and aligning is performed.
 - The feed motor (M42) is turned OFF after a certain period of time.
3. After a certain period of time passed from the carriage operation
 - The registration motor (M39) is turned ON after a certain period of time. → Paper is transported to the transfer area.
 - The copy counter operates.
4. Completion of scanning
 - The exposure lamp (EXP) is turned OFF.
 - The Scan motor (M1) is turned OFF.
 - The Registration motor (M39) is turned OFF (after the trailing edge of the paper passed the registration roller).
 - "READY (PRINTING)" is displayed.

5. Printing operation

1) Color printing operation

- The drum motor (M27, M28), transfer belt motor (M13) and discharge LED-Y, -M, -C, -K (ERS) ON.
- The 2nd transfer cam motor (M48) is turned ON.
 - The 2nd transfer roller contacts with the transfer belt. The motor is turned OFF after this.
- The 2nd transfer bias is turned ON.
- The main charger bias is turned ON.
- The transfer belt cam motor (M14) is turned ON.
- The 1st transfer rollers (Y, M and C) contact the transfer belt.
- The YMCK developer bias (DC), developer unit motor (M29, M31) and developer unit mixer motor (M30, M32) are turned ON.
- The YMC and K developer bias (AC) are turned ON.
- Laser emission (yellow image)
- The 1st transfer bias (Y) is turned ON.
- 1st transfer of yellow image (The yellow image is transferred to the transfer belt.)
- The 1st transfer bias (Y) is turned OFF.
- Laser emission (magenta image)
- The 1st transfer bias (M) is turned ON.
- 1st transfer of magenta image (The magenta image is transferred to the transfer belt.)
- The 1st transfer bias (M) is turned OFF.
- Laser emission (cyan image)
- The 1st transfer bias (C) is turned ON.
- 1st transfer of cyan image (The cyan image is transferred to the transfer belt.)
- The 1st transfer bias (C) is turned OFF.
- Laser emission (black image)
- The 1st transfer bias (K) is turned ON.
- 1st transfer of black image (The black image is transferred to the transfer belt.)
- The 1st transfer bias (K) is turned OFF.
- The transfer belt cam motor (M14) is turned OFF.
- The 1st transfer rollers (Y, M and C) are released from the transfer belt.
- 2nd transfer of YMCK image (The YMCK image on the transfer belt is transferred to the paper.)
- The main charger is turned OFF.
- The developer unit motor (M29, M31), developer unit mixer motor (M30, M32) and developer bias (YMC and K) are turned OFF.
- Drum phasing
- The drum motor (M27, M28), transfer belt motor (M13) and discharge LED-Y, -M, -C, -K (ERS) OFF.
- The 2nd transfer cam motor (M48) is turned ON.
- The 2nd transfer roller is released from the transfer belt. The motor is turned OFF after this.
- The 2nd transfer bias is turned OFF.

2) Black printing operation

- The drum motor (M27), transfer belt motor (M13), 2nd transfer motor (M9) and discharge LED-K (ERS) ON.
- The 2nd transfer cam motor (M48) is turned ON.
 - The 2nd transfer roller contacts with the transfer belt. The motor is turned OFF after this.
- The 2nd transfer bias is turned ON.
- The main charger bias is turned ON.
- The K developer bias (DC), developer unit motor (M29) and developer unit mixer motor (M30) are turned ON.
- The K developer bias (AC) is turned ON.
- Laser emission (black image)
- The 1st transfer bias (K) is turned ON.
 - 1st transfer of black image (The black image is transferred to the transfer belt.)
- The 1st transfer bias (K) is turned OFF.
- 2nd transfer of K image (The K image on the transfer belt is transferred to the paper.)
- The main charger is turned OFF.
- The developer unit motor (M29), developer unit mixer motor (M30) and developer bias (K) are turned OFF.
- Drum phasing
- The Drum motor (M27), transfer belt motor (M13) and discharge LED-K (ERS) OFF.
- The 2nd transfer cam motor (M48) is turned ON.
 - The 2nd transfer roller is released from the transfer belt. The motor is turned OFF after this.
- The 2nd transfer bias is turned OFF.

6. Paper exiting

- The exit sensor (S61, S63) detects the trailing edge of the paper.
- The toner recovery auger and discharge LED (ERS) OFF.
- The drum motor (M27, M28), developer unit mixer motor (M30, M32), transfer belt motor (M13), 2nd transfer motor (M9), transport motor (M40, 41), developer unit motor (M29, M31), fuser motor (M6) and exit motor (M2) are turned OFF.
- The polygonal motor (M4) rotates at low speed.
- The drum, fuser unit and developer unit are stopped.
- The fans return to rotate at the normal rotation speed.
- "READY" is displayed and the equipment enters into the ready mode.

[4] Bypass feed copying

1. Place paper on the bypass tray.
 - The bypass paper sensor (S71) is turned ON.
 - “Ready for bypass feeding” is displayed.
 - The carriages move to their home position.
2. Press the [START] button.
 - “Ready for bypass feeding” changes to “COPYING”.
 - Exposure lamp (EXP) ON
 - Scan motor (M1) ON → Carriages-1 and -2 move forward.
 - The drum motor (M27, M28), transfer belt motor (M13), 2nd transfer motor (M9), transport motor (M40, 41), developer unit motor (M29, M31), developer unit mixer motor (M30, M32), fuser motor (M6) and exit motor (M2) are turned ON.
 - The drum, transfer belt, fuser unit, developer unit and exit roller are driven.
3. Bypass feeding
 - The fans rotate at high speed.
 - The bypass motor (M12) is turned ON.
 - The bypass pickup roller is lowered.
 - The bypass pickup solenoid (SOL8) is turned ON.
 - The bypass pickup roller, feed roller and separation roller start to rotate.
 - Aligning operation
 - Paper reaches the registration roller.
 - After a certain period of time, the bypass motor (M12) is turned OFF.
4. Hereafter, operations (3) through (6) of “[3]Drawer feed copying (1st drawer paper feeding)” are repeated.

[5] Interruption copying

1. Press the [INTERRUPT] button
 - LED “INTERRUPT” is turned ON.
 - Copying operation in progress is temporarily stopped, and the carriages-1 and -2 return to their appropriate positions.
 - “Job interrupted job 1 saved” is displayed.
 - Automatic density and reproduction ratio 100% are set. The set number remains the same.
2. Select the desired copy condition
3. After interruption copying is finished:
 - “Press interrupt to resume job 1” is displayed.
 - LED “INTERRUPT” is turned OFF by pressing the [INTERRUPT] button, and the equipment returns to the status before the interruption.
 - “Ready to resume job 1” is displayed.
4. Press the [START] button
 - The copying operation before the interruption is resumed.

3.7.3 Detection of Abnormality

When something abnormal has occurred in the equipment, symbols corresponding to the type of abnormality are displayed.

[1] Types of abnormality

1. Abnormalities cleared without turning OFF the door switch
 - (A) Add paper
 - (B) Paper misfeed in bypass
 - (C) No toner in the cartridge
2. Abnormalities not cleared without turning OFF the door switch
 - (D) Misfeed in equipment
 - (E) Waste toner box replacement
3. Abnormality not cleared without turning OFF the main power switch
 - (F) Call for service

[2] Description of abnormality

[A] Add paper

- [In case of the equipment drawer or PFP drawer] (When no drawer is installed)
 - Drawer not detected
 - ↓
 - Drawer is not installed:
Drawer is installed but there is no paper in it:
 - ↓
 - No paper
 - ↓
 - A signal sent to the control circuit
 - ↓
 - Drawer area of the control panel blinks
(When the drawer is selected)
 - ↓
 - [START] button is disabled.

[In case of the equipment, tandem LCF] (When a drawer is installed)
Based on the combination of the tray-up motor (M44, M45) movement and the status of the tray-up sensor and empty sensor, The CPU detects the presence of paper.

- When the power is turned ON or tandem LCF drawer is inserted (When the power is turned ON or The equipment drawers are inserted).
LCF performs initialization.



Detects the presence of paper
Tray-up motor ON - The tray goes up



At this time, the tray-up sensor and LCF empty sensor are OFF.

- When the tray-up sensor is not turned ON within a fixed period of time, it means that the tray is in an abnormal condition
“Add paper” is displayed regardless of the presence/absence of paper.

→ Cleared by turning the power ON/OFF

- The tray-up sensor is turned ON within a fixed period of time
- The tray-up motor stops.

At this time, if the empty sensor is

ON: It is judged that there is paper.

OFF: It is judged that there is no paper.



The drawer area of the control panel blinks.
(When the drawer is selected)

- When the paper in the drawer runs short during copying,
 - The tray-up sensor is turned OFF.
 - The tray-up motor is turned ON. - The tray goes up.
 - The tray-up sensor is turned ON.
 - The tray-up motor is stopped.
- The empty sensor is turned OFF during copying in spite of the tray-up sensor being ON



It is judged that there is no paper.



The drawer area of the control panel blinks.
(When the drawer is selected)



The copying operation is stopped.

[B] Paper misfeed in bypass

- [In case of the equipment drawer or PFP drawer] (When no drawer is installed)
- During bypass feeding
The bypass motor (M12) is turned ON
↓
The registration sensor (S52) is turned ON
* The registration sensor (S52) is not turned ON within a fixed period of time (E120).
↓
Bypass misfeeding
↓
The bypass misfeed symbol is displayed.
↓
The copying operation is disabled.
↓
Solution: The bypass sensor (S71) is turned OFF when you remove the paper from the bypass tray.

[C] No toner in the cartridge

- Toner density becomes low
Auto-toner sensor (S26, S27, S28, S29) detects the absence of toner
↓
Fixed time toner supplying: Sub-hopper toner motor (M19, M20, M21, M22) ON
↓
Not reaching the specified toner density: Auto toner sensor (S26, S27, S28, S29)
↓
Control circuit→Toner cartridge replacement display:
Color copying is not accepted if the Y/M/C toner cartridge replacement display appears.(Black copying is accepted.)
Copying is not accepted if the toner K cartridge replacement display appears.
Solution: Replace the toner cartridge with new one.
Toner is supplied → copying operation enabled
- Sub-hopper toner remaining amount decreased
Sub-hopper toner remaining amount decreasing detection: Sub-hopper toner sensor (S38, S39, S40, S41)
↓
Toner supplying for a specified time: Toner motor (M15, M16, M17, M18) and sub-hopper toner motor (M19, M20, M21, M22) ON
↓
Sub-hopper toner sensor (S38, S39, S40, S41) does not detect "full".
↓
Control circuit→Toner cartridge empty display:
The auto toner sensor detects that the density is not reached and color/black copies can be made until the toner cartridge empty status is determined
Solution: Replace the toner cartridge with new one.

[D] Misfeed in equipment

- The exit sensor (S61, S63) detects jamming of the leading edge of the paper.

↓
 The registration motor (M39) is turned ON
 ↓ Regulation time
 Exit sensor (S61, S63) turned ON
 If the exit sensor (S61, S63) is not turned ON after a regulation time,
 ↓
 Paper jam (E010) → The copying operation is stopped.

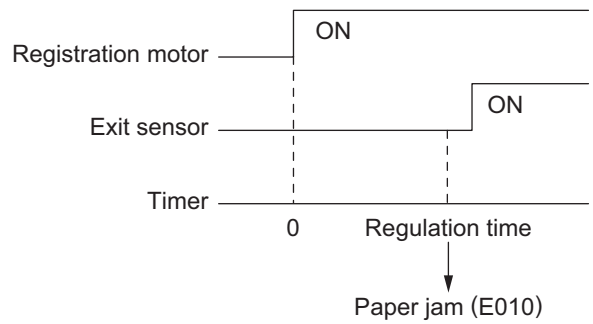


Fig. 3-28

- The exit sensor (S61, S63) detects jamming of the trailing edge of the paper.

The registration motor (M39) is turned OFF
 ↓ Regulation time.
 The exit sensor (S61, S63) turned OFF
 If the exit sensor (S61, S63) is not turned OFF a regulation time,
 ↓
 Paper jam (E020) → The copying operation is stopped.

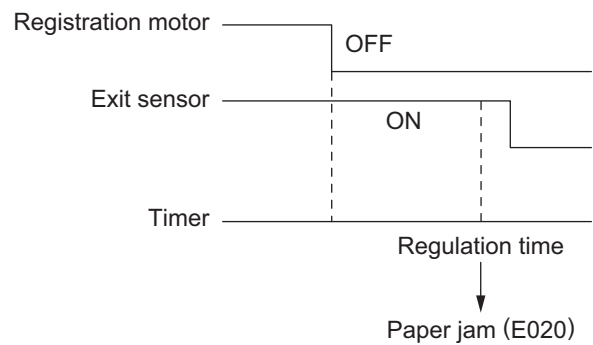


Fig. 3-29

- The 2nd transfer side paper clinging detection sensor (S51) detects jamming of the paper.
 The registration motor (M39) is turned ON
 The transfer belt paper clinging detection sensor (S47) is turned ON

↓
 If the 2nd transfer side paper clinging detection sensor (S51) is not turned ON in a fixed period of time,
 ↓
 Paper jam (E011) → The copying operation is stopped.

- Immediately after the power is turned ON
 ↓
 Any of the sensors on the paper transport path detects paper (ON).
 ↓
 Paper jam (E030)


- The registration sensor (S52) detects jamming of the leading edge of the paper:
The registration sensor (S52) is not turned ON within a fixed period of time after the leading edge of the paper passed the transport roller.
↓
Paper jam (E120, E200, E210, E300, E330 and E3C0)
- During paper feeding from the ADU:
The registration sensor (S52) is not turned ON within a fixed period of time after the ADU motor (M7, 8) is turned ON.
↓
Paper jam (E110)
- During paper transporting from the ADU:
The duplexing unit path sensor (S66, S67) do not detect the paper at the fixed timing.
↓
Paper jam (E510 and E520)
- During paper feeding from the equipment or the PFP:
The registration sensor (S52) is not turned ON within a fixed period of time after the feed clutch is turned ON.
↓
Paper jam (E220, E310, E320, E340 to E360, E3D0 and E3E0: The error code differs depending on the paper source.)

[E] Waste toner box replacement

- The waste toner box is full of used toner
↓
Waste toner box full detection sensor (S14) ON
↓
"Dispose of used toner" is displayed
- The waste toner box full detection sensor (S14) is turned ON during printing
↓
Printing is stopped after the paper being printed has exited
Solution: Replace the waste toner box with a new one and close the waste toner box cover.


[F] Call for service

Check the error code displayed on the control panel when "Call for service" appears, and deal with the abnormality referring to the error code table.

 P. 8-6"8.2 Error Code List"

3.7.4 Hibernation function

A hibernation function is embedded in this equipment. This function allows the equipment to store the last status of the system in the HDD immediately before the power is turned OFF, and to restart from this stored status at the next boot-up. The equipment starts up in the specified time described in the warmup time after the execution of the 2nd hibernation when the power is turned OFF and then back ON correctly. *

For warming-up time, refer to  P. 2-1"2.1.1 General"

It is recommended to shut down the equipment while pressing the [ACCESS] button and the [POWER] button simultaneously before maintenance. However, warming-up takes longer when the equipment boots up next time since no hibernation is executed. The equipment therefore boots up in the initialization status. "Checking" is displayed on the LCD screen when the equipment boots up normally (without hibernation), and "Checking" is not displayed when hibernation is executed.

If hibernation is not performed when the power is turned OFF or the equipment boots up immediately after the settings, warming-up takes longer. It differs depending on the usage conditions; warming-up will take approx. 30 to 150 sec, though it takes approx. 20 sec. if hibernation is performed (normal situation).

The following are the conditions which necessitate a longer warming-up time.

- Rebooting from TopAccess
- First booting after power interruption
- First booting after a self-diagnosis code is changed in the Service UI
- First booting after the power is turned OFF with the main power switch during the super sleep mode
- Installing options or finishers
- First booting after an option or a finisher is removed
- During toner supply
- Operating while "READY (WARMING UP)" is still on the control panel
- First booting after the [ACCESS] and [POWER] buttons are pressed and held until the power is shut down
- Shutting down during network initialization
- First booting after the power is turned OFF in a procedure other than the correct one described in the Quick Start Guide

* How to turn the power OFF correctly

Press the [POWER] button on the control panel to shut down the equipment. Be sure to check that the ON/OFF lamp (green) has stopped blinking and the touch panel screen and the lamp (green) have gone off. Then turn the power OFF with the main power switch.

3.8 Control Panel

3.8.1 General Description

The control panel consists of button switches and touch-panel switches to operate the equipment and select various modes, and LEDs and an LCD to display the state of the equipment or the messages. When the operator's attention is required, graphic symbols light or blink with messages explaining the condition of the equipment in the LCD panel. When paper jams and "Call for service" occur, error codes are also displayed to notify users of the problem.

A color LCD is used in this equipment so that visibility and operability are improved.

This equipment has an LCD larger than those of our existing models and an arm to attach the control panel. This arm enabled the height adjustment and the angular adjustment in both vertical and horizontal directions of the control panel so visibility and operability of the control panel has been greatly improved.

And the [ON/OFF] button is placed on the control panel of this equipment. Use this button instead of the main power switch to turn ON/OFF the power.

Press the [ON/OFF] button for 1 second or more to turn ON/OFF the power of the equipment.

Also, the [ON/OFF] button can be used in the following manner for example: press the [ON/OFF] button while holding down the [0] and [5] buttons simultaneously to activate the Adjustment Mode (05).

However, if the equipment is in the super sleep mode, use the main power switch.

Control Panel: e-STUDIO5540C/6540C/6550C

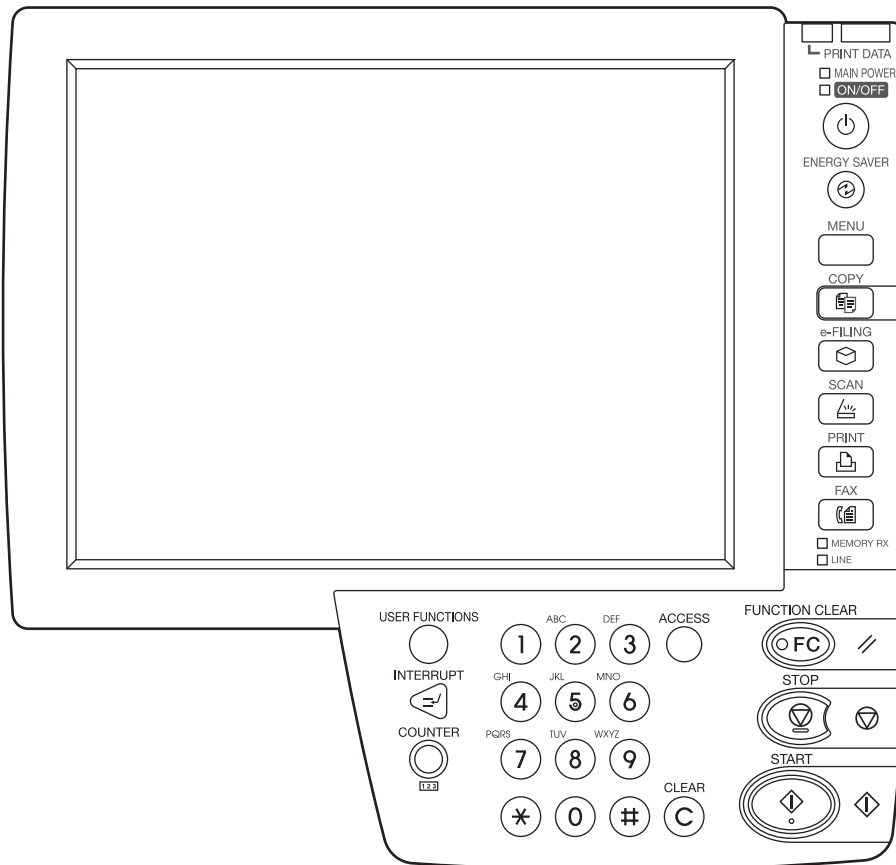


Fig. 3-30

Control Panel: e-STUDIO5560C/6560C/6570C

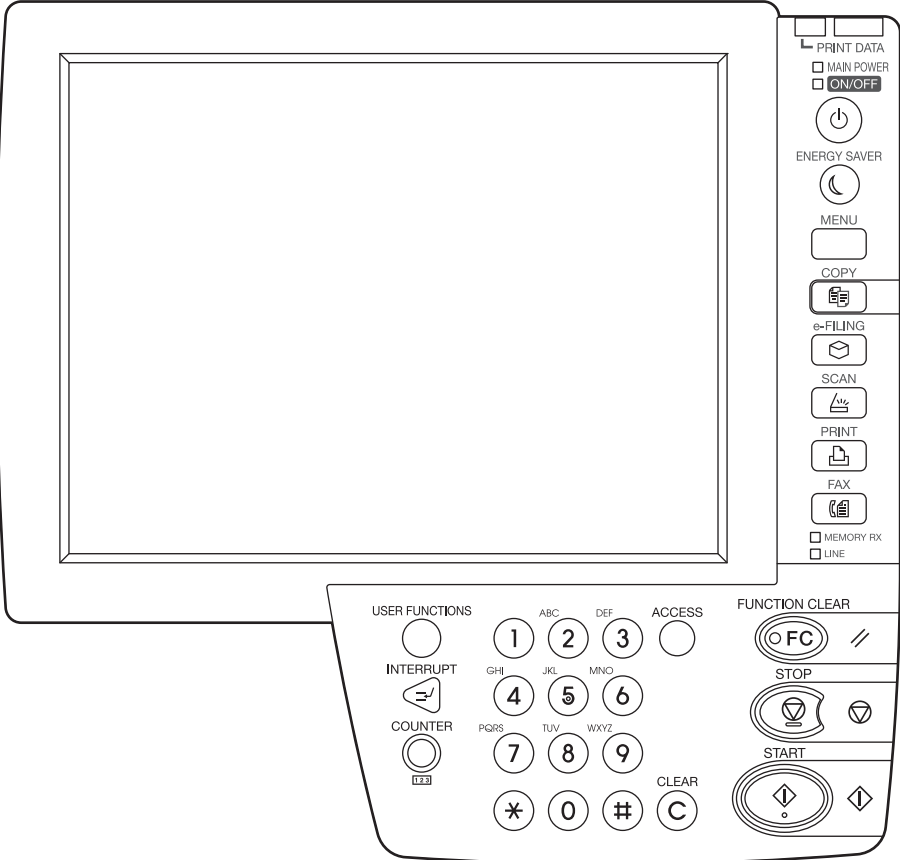


Fig. 3-31

3.8.2 Description of Operation

[1] Dot matrix LCD circuit

1. Structure

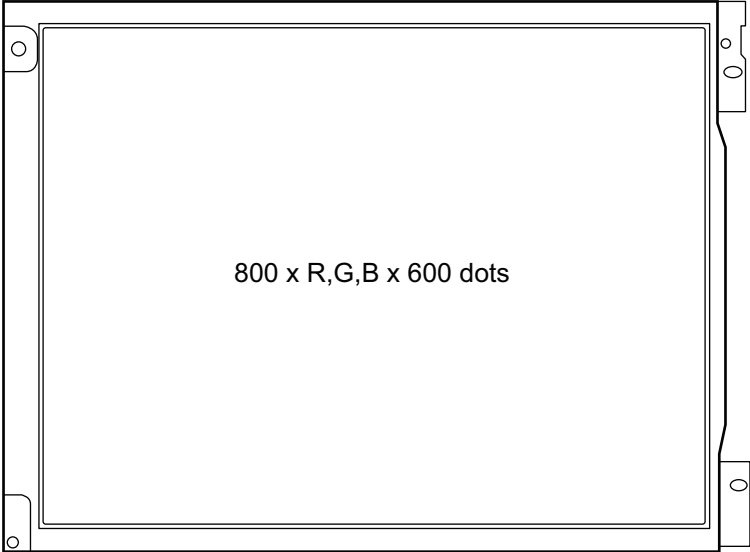


Fig. 3-32

3.9 Scanner

3.9.1 General Description

In the scanning section of this equipment, the surface of an original is irradiated with a direct light and the reflected light is led through mirrors, a lens and a slit to CCD where optical-to-electrical conversion is performed, converting the optical image data into an electrical (analog) signal. This analog signal is changed to a digital signal, which then undertakes various corrective processes necessary for image formation. After that, arithmetic operation is performed on the digital signal, which is then transmitted to the data writing section.

The color high-speed-drive CCD sensor is used in the equipment to make high-speed-drive and high-resolution for scanning originals possible.

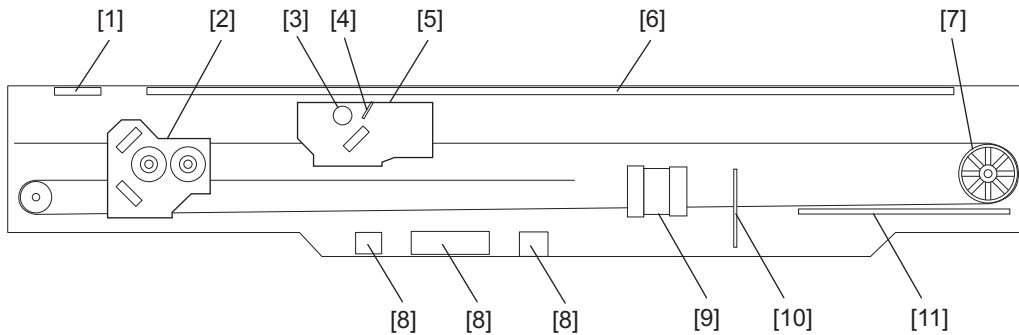


Fig. 3-33

- [1] RADF original glass
- [2] Carriage-2
- [3] Exposure lamp
- [4] Reflector
- [5] Carriage-1
- [6] Original glass
- [7] Drive pulley
- [8] Automatic original detection sensor
- [9] Lens
- [10] CCD board
- [11] SLG board

3.9.2 Construction

Scanner		
Original glass	Original glass	
	RADF original glass	
Carriage-1	Exposure lamp (EXP)	Xenon lamp (35W)
	Inverter board (INV)	
	Reflector	
	Mirror-1	
Carriage-2	Mirror-2	
	Mirror-3	
Lens unit		
CCD driving PC board (CCD)		
Automatic original detection sensor (S1-5)		
Driving section	Scan motor (M1)	<ul style="list-style-type: none"> • 2-phase stepping motor • Wire drive • Driving the carriage-1 and carriage-2
Other	Scanning section control PC board (SLG)	
	Carriage home position sensor (S6)	
	Platen sensor (S7)	
	Rubber damper	
	SLG board cooling fan (F1)	
	Exposure lamp cooling fan-1 (F2)	
	Scanner unit cooling fan-1 (F3)	
	Exposure lamp cooling fan-2 (F26)	

3.9.3 Functions

The following shows the construction and purpose of the scanning system:

1. CCD driving PC board (CCD)

Processes such as signal amplification, signal integration and A/D conversion are applied on the electrical signal which was converted by CCD.

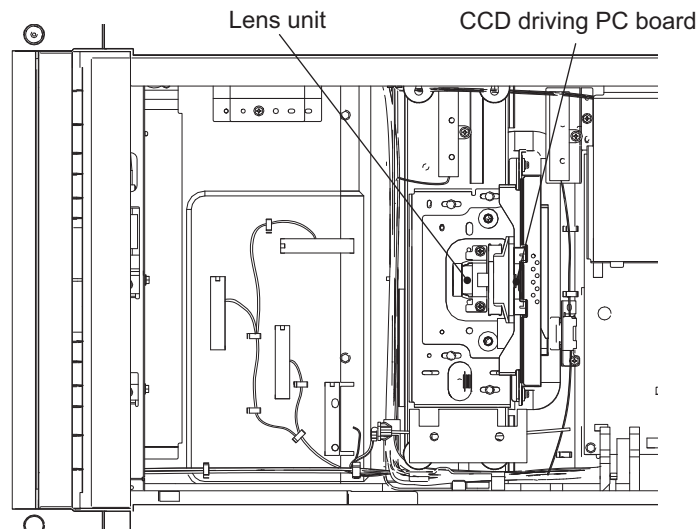


Fig. 3-34

2. Scanning section control PC board (SLG)

This is a board to perform the image correction, such as the shading correction and 3-line correction, and control the scan motor (M1) and exposure lamp (EXP).

3. Automatic original detection sensor (S1-5)

The size of an original placed on the glass is instantly detected using the automatic original detection sensors (S1-5) fixed on the base frame without moving the carriage-1.

3.9.4 Description of Operation

[1] Scanning operation

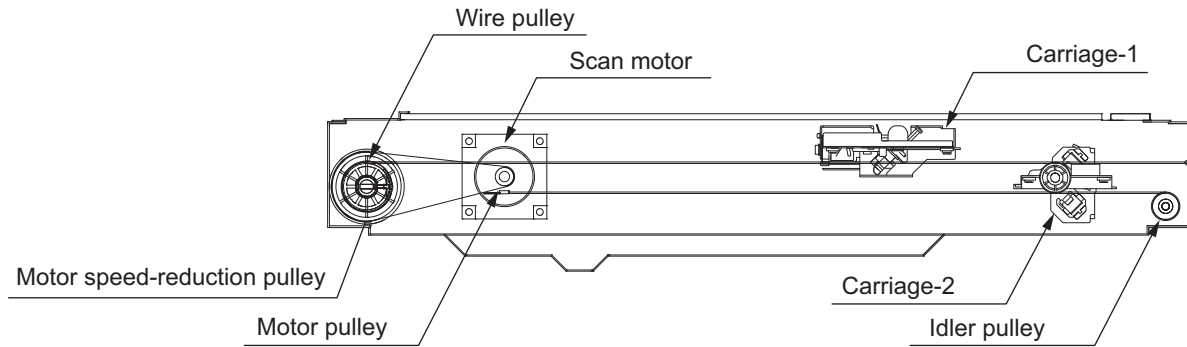


Fig. 3-35

- Scanning of an original placed on the original glass
This motor drives the carriages-1 and -2 through the timing belt and carriage wire. First, the scan motor drives the carriages-1 and -2 to their respective home positions. The home positions are detected when the carriage-1 passes the home position sensor (S6). When the [START] button is pressed, the both carriages start to move and scan the original on the glass.
- Scanning of an original placed on the RADF
The carriage-1 stays at the shading position during shading correction, and at the scanning position during scanning operation.
- Carriage speed
The carriage speed of the original placed on the original glass in the color mode is the same as that in the black mode.

3.9.5 Principle of original size detection

Reflection type photosensors are placed on the base frame of the scanner unit as shown in the figure below. Each sensor consists of an infrared Light Emitting Diode (LED) on the light emitting side, and a phototransistor on the light receiving side.

When there is an original on the original glass, light beams from the LEDs are reflected by the original and led to the phototransistors. This means that the presence of the original is detected by the presence of reflection (when scanning black image).

1. Sensor detection points [A4 Series]

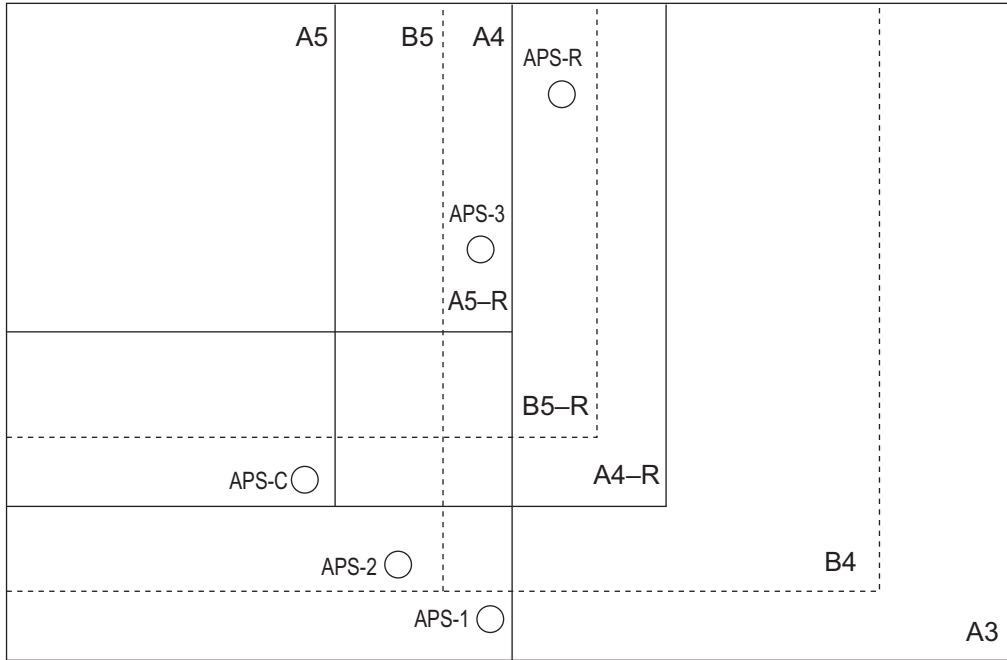


Fig. 3-36

[LT Series]

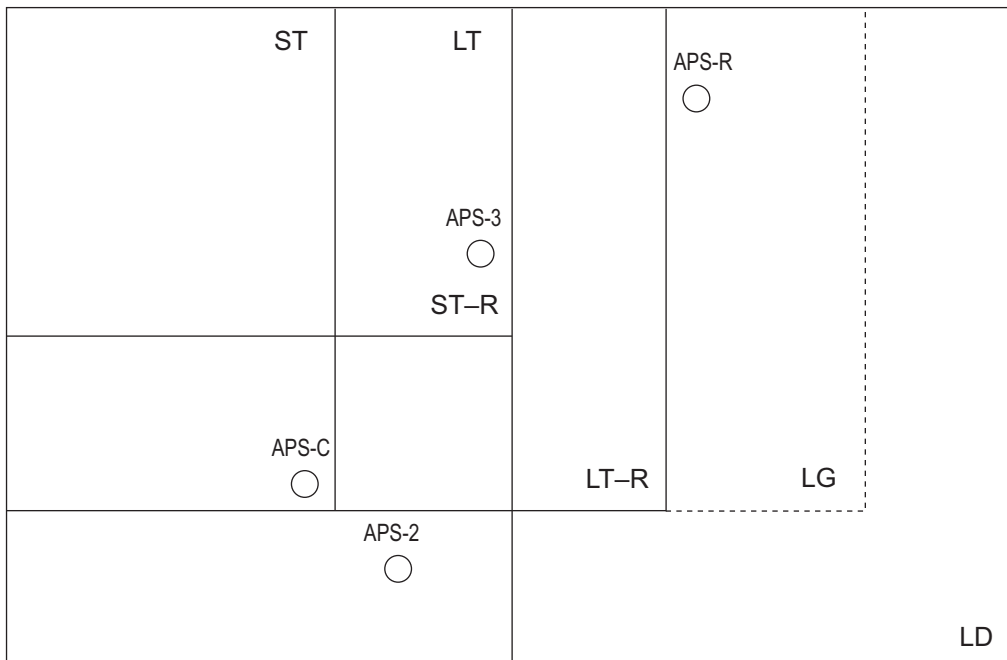


Fig. 3-37

3.10 Laser Optical Unit

3.10.1 General Description

The laser optical unit radiates the laser beam onto the photoconductive drum responding to the digital image signals transmitted from the scanner, USB, network, etc. to create the latent image. The image signal is converted into the light emission signal of the laser diode on the laser driving PC board (LDR), then radiated on the drum through the optical elements such as polygonal mirror (polygonal motor) and lens. The unit must not be disassembled in the field as they are very sensitive to dust and finely adjusted at the factory.

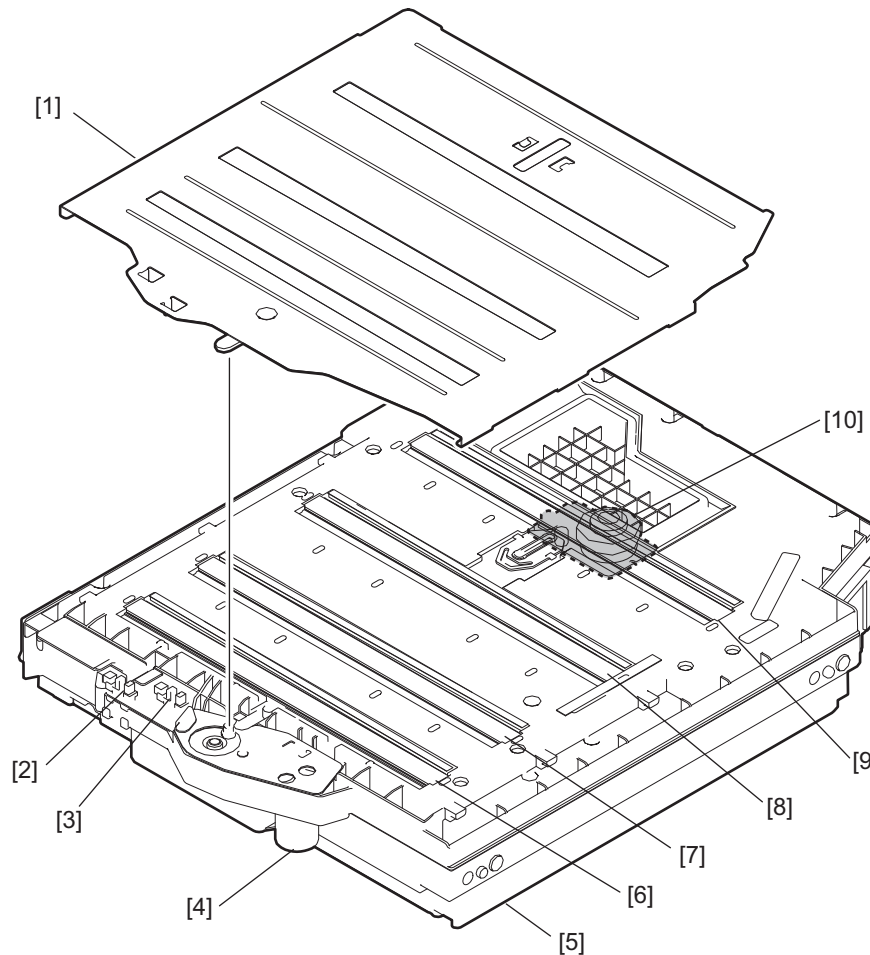


Fig. 3-38

- [1] Shutter
- [2] Shutter sensor (end position)
- [3] Shutter sensor (home position)
- [4] Shutter motor
- [5] Laser optical unit
- [6] Slit glass-Y
- [7] Slit glass-M
- [8] Slit glass-C
- [9] Slit glass-K
- [10] Polygonal motor

3.10.2 Laser precautions

- Laser precautions

A laser diode is used for this equipment and radiates an invisible laser beam.

Since it is not visible, be extremely careful when handling the laser optical unit components, performing operations or adjusting the laser beam. Also never perform the procedure with other than the specified manuals because you could be exposed to the laser radiation.

The laser optical unit is completely sealed with a protective cover. As long as only the operations of specified manuals are performed, the laser beam is not leaked and you are in no danger of being exposed to laser radiation.

The following cautionary label for the laser is attached to the frame which you can see when opening the front lower cover.

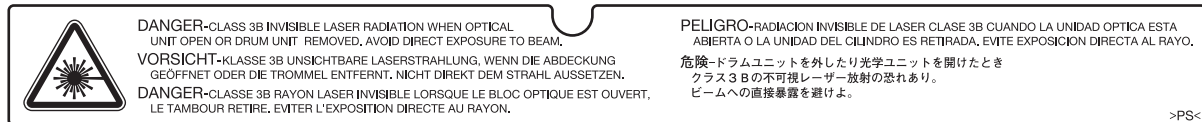


Fig. 3-39

Cautions:

- Avoid expose to laser beam during service. This equipment uses a laser diode. Be sure not to expose your eyes to the laser beam. Do not insert reflecting parts or tools such as a screwdriver on the laser beam path. Remove all reflecting metals such as watches, rings, etc. before starting service.
- When servicing the equipment with the power turned ON, be sure not to touch live sections and rotating/operating sections. Avoid exposing your eyes to laser beam.
- During servicing, be sure to check the rating plate and cautionary labels such as "Unplug the power cable during service", "CAUTION. HOT", "CAUTION. HIGH VOLTAGE", "CAUTION. LASER BEAM", etc. to see if there is any dirt on their surface and if they are properly stuck to the equipment.

3.10.3 Slit glass cleaning mechanism

The laser optical unit has a protective shutter on its upper section. This shutter is opened or closed with the drive from the shutter motor (M38). Two shutter sensors (for home position, S24 and for end position, S25) detect the phase of the shutter when it is opened or closed. When the shutter is closed, the shutter sensor (home position, S24) is ON.

A cleaning brush installed inside of the shutter cleans the slit glass when the shutter is opened or closed. The shutter performs cleaning by opening or closing itself every time the power is turned ON, printing starts, printing ends or image quality control is performed.

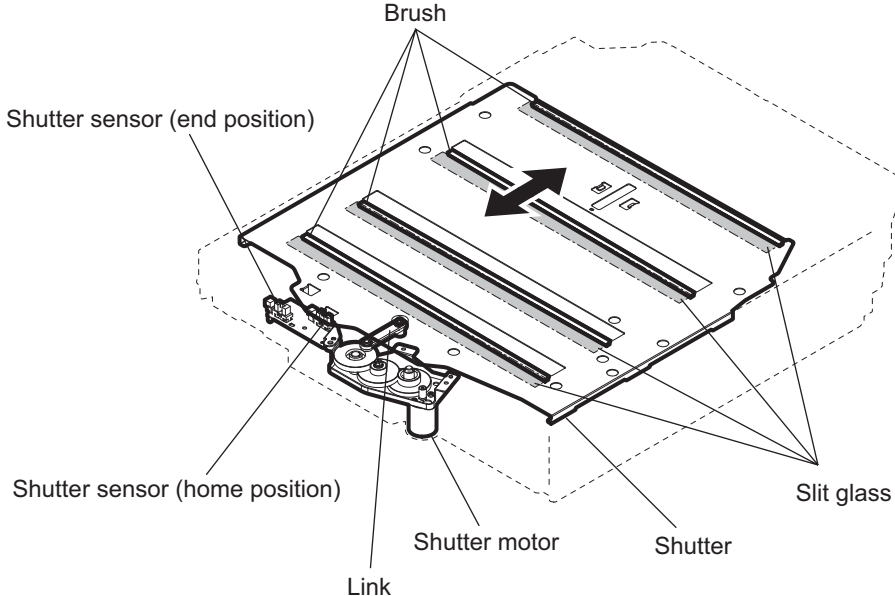


Fig. 3-40

3.11 Paper Feeding System

3.11.1 General Descriptions

This chapter explains how the system works to pick up paper from the drawer or bypass tray and transport it to the 2nd transfer position.

The paper feeding system mainly consists of the pickup roller, feed roller, separation roller, transport roller, registration roller, bypass paper sensor, drawer empty sensor, bypass feed sensor, drawer feed sensor, registration sensor and drive system for these components. The feed/transport motor, Transport motor-1, Transport motor-2, Feed motor and registration motor drives the above rollers.

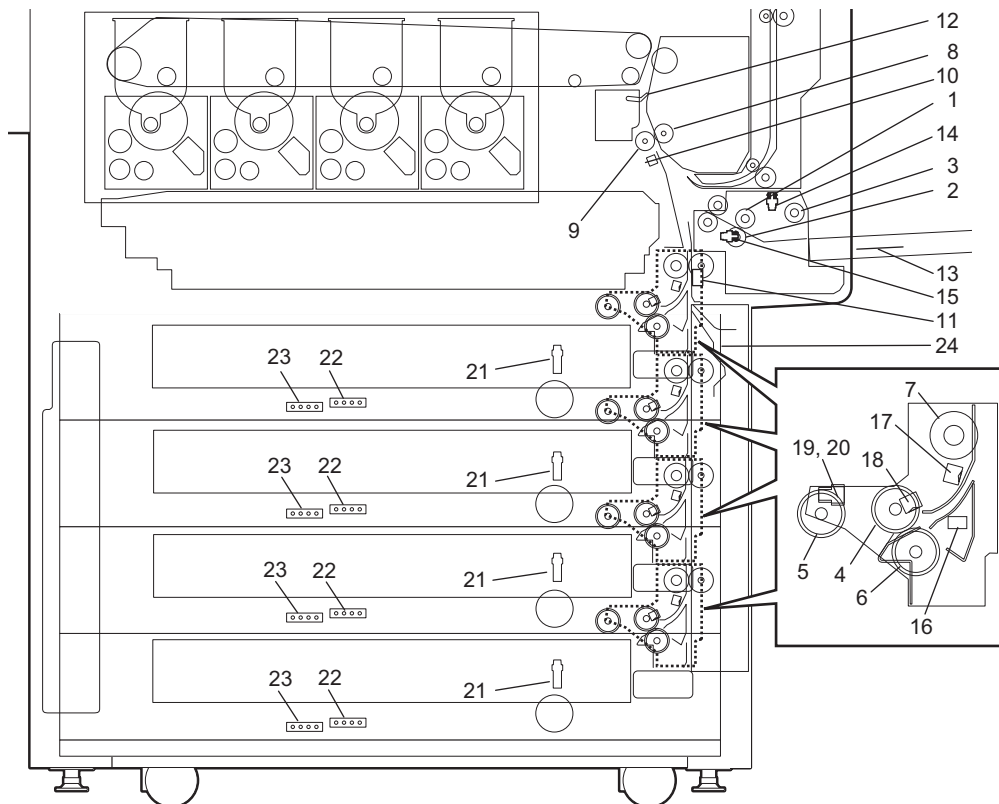


Fig. 3-41

No.	Name	No.	Name
1	Bypass feed roller	13	Bypass paper size detection sensor
2	Bypass separation roller	14	Bypass paper sensor
3	Bypass pickup roller	15	Bypass feed sensor
4	1st / 2nd / 3rd / 4th drawer feed roller	16	1st / 2nd / 3rd / 4th drawer detection sensor
5	1st / 2nd / 3rd / 4th drawer pickup roller	17	1st / 2nd / 3rd / 4th drawer transport sensor
6	1st / 2nd / 3rd / 4th drawer separation roller	18	1st / 2nd / 3rd / 4th drawer feed sensor
7	1st / 2nd / 3rd / 4th drawer transport roller	19	1st / 2nd / 3rd / 4th drawer bottom sensor
8	Registration roller (rubber roller)	20	1st / 2nd / 3rd / 4th drawer empty sensor
9	Registration roller (metal roller)	21	1st / 2nd / 3rd / 4th drawer tray-up sensor
10	Registration sensor	22	1st / 2nd / 3rd / 4th drawer paper size detection sensor-1
11	Media sensor	23	1st / 2nd / 3rd / 4th drawer paper size detection sensor-2
12	Transfer belt paper clinging detection sensor	24	Feed cover sensor

<Tandem LCF model>

The composition of the 1st and the 2nd drawers of the Tandem LCF model is the same as that of the 4-drawer model.

The 3rd and the 4th drawers are not installed but instead the Tandem LCF is installed.

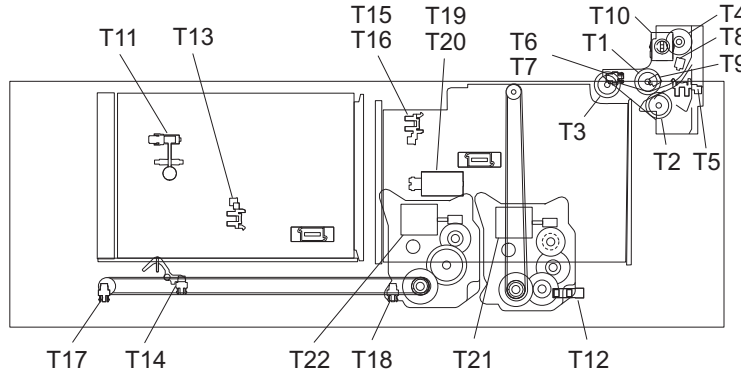


Fig. 3-42

No.	Name	No.	Name
T1	Tandem LCF feed roller	T12	Tandem LCF bottom sensor
T2	Tandem LCF separation roller	T13	Standby side tray detection sensor
T3	Tandem LCF pickup roller	T14	Standby side empty sensor
T4	Tandem LCF transport roller	T15	Stopper opening/closing detection sensor (front)
T5	Tandem LCF detection sensor	T16	Stopper opening/closing detection sensor (rear)
T6	Tandem LCF empty sensor	T17	End fence home position sensor
T7	Tandem LCF tray-up sensor	T18	End fence stop position sensor
T8	Tandem LCF transport sensor	T19	Stopper opening/closing solenoid (front)
T9	Tandem LCF feed sensor	T20	Stopper opening/closing solenoid (rear)
T10	Tandem LCF solenoid	T21	Tandem LCF tray-up motor
T11	Standby side tray paper amount detection sensor	T22	Tandem LCF end fence motor

3.11.2 Composition

Feeding system		
1st / 2nd / 3rd / 4th drawer feeding unit	1st / 2nd / 3rd / 4th drawer pickup roller	PM parts
	1st / 2nd / 3rd / 4th drawer feed roller	PM parts
	1st / 2nd / 3rd / 4th drawer separation roller	PM parts
	1st / 2nd / 3rd / 4th drawer transfer roller	PM parts
	1st / 2nd / 3rd / 4th drawer feed sensor	S78/S86/S94/S102
	1st / 2nd / 3rd / 4th drawer transport sensor	S77/S85/S93/S101
	1st / 2nd / 3rd / 4th drawer tray-up sensor	S76/S84/S92/S100
	1st / 2nd / 3rd / 4th drawer empty sensor	S75/S83/S91/S99
	1st / 2nd / 3rd / 4th drawer detection sensor	S73/S81/S89/S97
Bypass feeding unit	Bypass pickup roller	PM parts
	Bypass feed roller	PM parts
	Bypass separation roller	PM parts
	Bypass paper roller	S71
	Bypass feed sensor	S72
	Bypass transport sensor	SOL8
	Bypass pickup solenoid	S70
	Bypass motor	M12
Drive section, other	3rd / 4th drawer transport clutch	CLT4/CLT6
	3rd / 4th drawer feed clutch	CLT5/CLT7
	Transport motor-1/Transport motor-2	M40/M41
	Feed motor	M42
	Feed/transport motor	M43
	Registration motor	M39
	Registration roller	
	Registration sensor	S52
	Transfer belt paper clinging detection sensor	S47
	Tray-up motor-1/Tray-up motor-2	M44/M45
Tandem LCF	Tandem LCF pickup roller	PM parts
	Tandem LCF feed roller	PM parts
	Tandem LCF separation roller	PM parts
	Tandem LCF transport roller	
	Tandem LCF feed sensor	S93
	Tandem LCF transport sensor	S94
	Tandem LCF pickup solenoid	SOL9
	Tandem LCF end fence motor	M47
	Tandem LCF tray-up motor	M46

3.11.3 Functions

1. Pickup roller (Drawers and bypass feed)
This roller moves up and down and draws out the paper from the bypass tray or drawer and transport it to the feed roller.
2. Feed roller (Drawers and bypass feed)
This roller is placed against the separation roller. It transports the paper from the pickup roller to the transport roller.
3. Separation roller (Drawers and bypass feed)
This roller is placed against the feed roller. When two sheets of paper or more are transported from the pickup roller, the load of the torque limiter of the separation roller is heavier than the frictional force between the sheets. As the result, the separation roller is stopped and the lower paper is not advanced any further. When only one sheet is transported from the pickup roller, the separation roller rotates following the feed roller.
4. Transport roller (Drawers and bypass feed)
This roller transports the paper sent from the feed roller to the registration roller.
5. Registration roller
Paper transported from the transport roller is pushed against the registration roller which aligns the leading edge of the paper.
Then, the registration rollers rotate to transport the paper to the transfer unit.
6. Bypass paper sensor (S71)
This sensor detects if paper is set in the bypass tray. If it is, bypass feeding always comes before drawer feeding.
7. Media sensor (S69)
This equipment has a media sensor to measure the thickness of copy paper.
The media sensor detects the thickness of paper that is fed only from feeding devices other than the bypass tray. The sensor has 2 functions as follows:
(1) The sensor classifies plain paper (16.8 to 27.6 lb.) into plain paper 1 (relatively thin plain paper) and plain paper 2 (relatively thick plain paper) and controls fusing temperature accordingly.
(2) The sensor judges if a users media type setting is correct according to the thickness measurement result by itself. When the sensor judges that the setting is not correct, printing automatically stops. (Error code: E071-E076 (Media type mis-setting jam))
Even though media types are classified with its paper weight in general, the thickness of paper is not always proportional to the paper weight. Therefore the sensor makes the equipment stop printing only when a users media type setting is obviously incorrect.
Whether enabling or disabling the function (2) above can be switched in the code 08-4598.
In case the media sensor fails, no error code is displayed. In this case, as for the function (1) above, paper set in the code 08-4599 is automatically selected, and the function (2) above is automatically disabled. Therefore the malfunction of the media sensor does not affect the equipment operation and thus printing is not disturbed.
The media sensor malfunction is detected with the output value of the sensor. If an abnormal value is output, the sensor is judged as in a faulty condition. This status is recorded in an error history. (Error code: CFA0 or CFA1 (Media sensor detection abnormality))
Even if the error CFA0 or CFA1 occurred, the media sensor outputs values again after the equipment was recovered from the sleep mode or its power was turned OFF and then back ON. If the output value is normal, the sensor then returns to its normal detection status.
Do not bring a magnet or other magnetized materials closer to the media sensor because it measures minute displacement amounts with magnetoresistance change.

8. Empty sensor (S75/S83/S91/S99)
This is a transmissive-type sensor and detects the availability of paper in the drawer by using an actuator. When there is no paper in the drawer, the actuator blocks the light path of the sensor, and the sensor determines that there is no paper.
9. Feed sensor (S78/S86/S94/S102)
This sensor detects if the leading edge or trailing edge of the paper has passed the feed roller. It also detects jamming such as misfeeding.
10. Transport sensor (S77/S85/S93/S101)
This is a reflective sensor whose purpose is to directly detect if paper is set or not, without using any device such as a sensor arm. Transport sensor detects if the leading edge or trailing edge of paper passed the transport roller. They also detects jams like misfeeding.
11. Registration sensor (S52)
This sensor detects that the leading edge of the paper has reached the registration roller and the trailing edge of the paper has passed the registration roller.
12. Drawer tray-up sensor (S76/S84/S92/S100)
This sensor stops the tray at the predetermined height when the tray is moved up. When the tray-up sensor is turned ON, the tray-up motor is turned OFF to stop the upward movement of the tray.
13. Drawer detection sensor (S73/S81/S89/S97)
This sensor detects if the drawer is fully inserted.
14. Feed clutch (3rd drawer (CLT5) / 4th drawer (CLT7))
This is a clutch used to transmit the drive from the feed/transport motor to the drawer pickup roller and drawer feed roller.
15. Drawer transport clutch (3rd drawer (CLT4) / 4th drawer (CLT6))
This is a clutch used to transmit the drive from the feed/transport motor to the transport roller. When the clutch is turned ON, the transport roller rotates at high speed to transport paper.
16. Feed/transport motor (M43)
This motor drives the pickup rollers, feed rollers and transport rollers of the drawers and bypass tray.
17. Registration motor (M39)
This motor drives the registration roller. This stepping motor transports paper in the transfer direction in time with the image transfer to align the paper with the leading edge of the image.
18. Tray-up motor-1/-2 (M44, M45)
When this motor rotates normally, the tray in the 1st drawer moves up, and when the motor rotates reversely, the tray in the 2nd drawer moves up.
19. Bypass motor (M12)
This stepping motor drives the bypass pickup roller, feed roller and transport roller.
20. Bypass pickup solenoid (SOL8)
This is a solenoid to move down the bypass pickup roller.
21. Bypass paper size detection sensor (S70)
This sensor works directly with the sidewalls of the bypass tray to detect the paper width on the tray.
22. Drawer paper size detection sensor-1/2 (S79/S80/S87/S88/S95/S96/S103/S104).
These sensors detect the size of the paper placed in each drawer.
Paper sizes can be detected with the combination of switch signals that are sent by the movement of the end and side guides in each drawer.

3.11.4 Description of Operation

[1] Drive of rollers

The drive of each motor in the paper feeding area activates the paper transfer roller as follows.

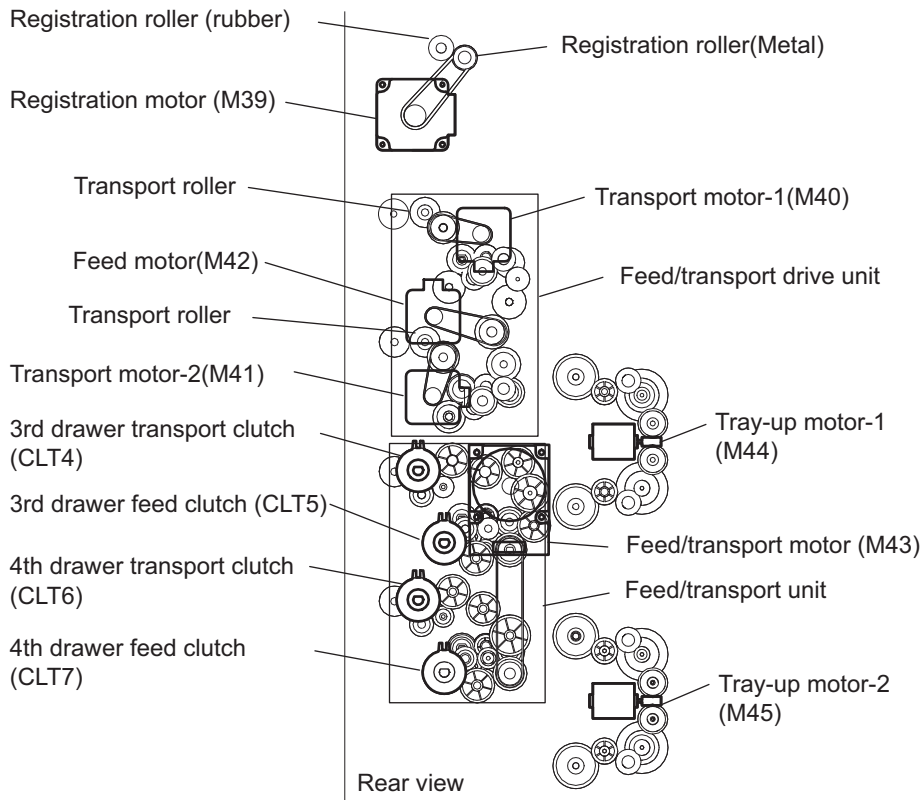
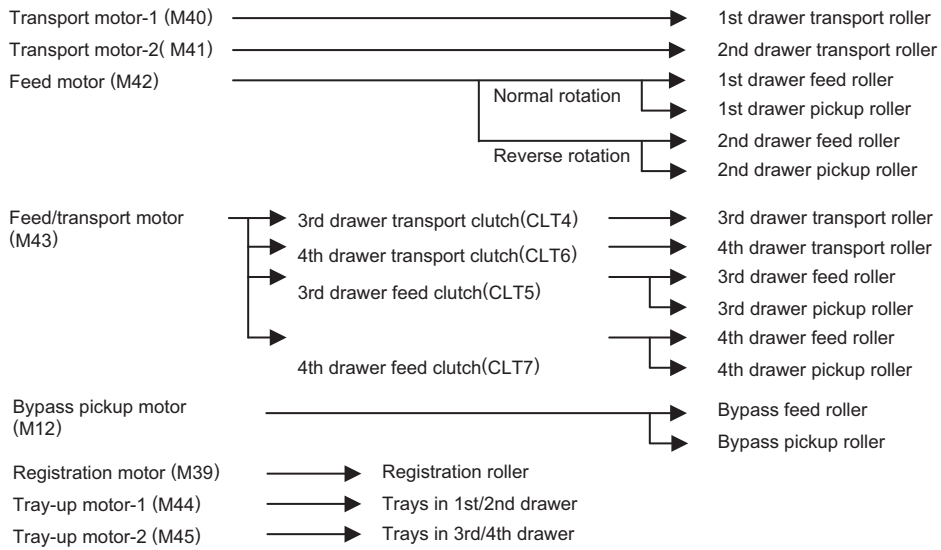


Fig. 3-43

[2] Operation of bypass pickup roller

When the bypass pickup solenoid (SOL8) is turned ON, the plunger is pulled, and then the lever is rotated. The pickup arm is then brought down with its own weight. When the bypass pickup solenoid (SOL8) is turned OFF, the pickup arm is brought up by the spring force.

The driving force transmitted through the bypass motor (M12) is transmitted to the bypass feed roller through the shaft and then to the bypass pickup roller through the timing belt. The roller is rotated by this driving force.

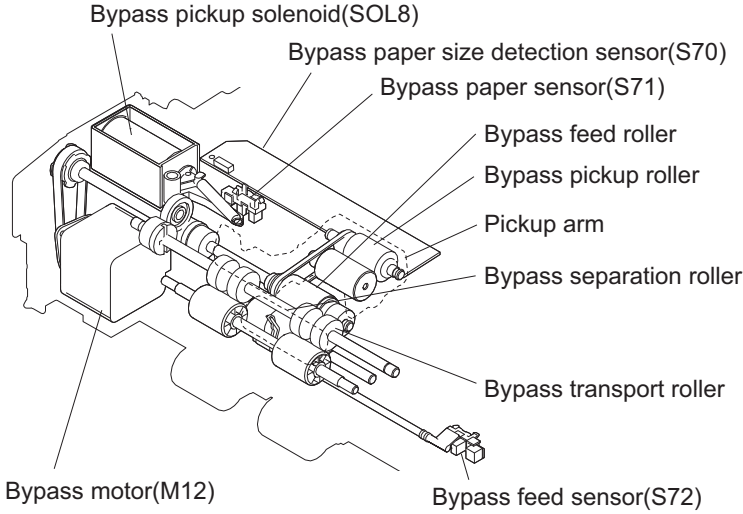


Fig. 3-44

[3] Operation of drawer pickup roller

When the drawer is inserted, the protrusion at the rear side of the drawer pushes the lever to the direction of A. Then the pickup roller and roller holder are lowered by the spring force.

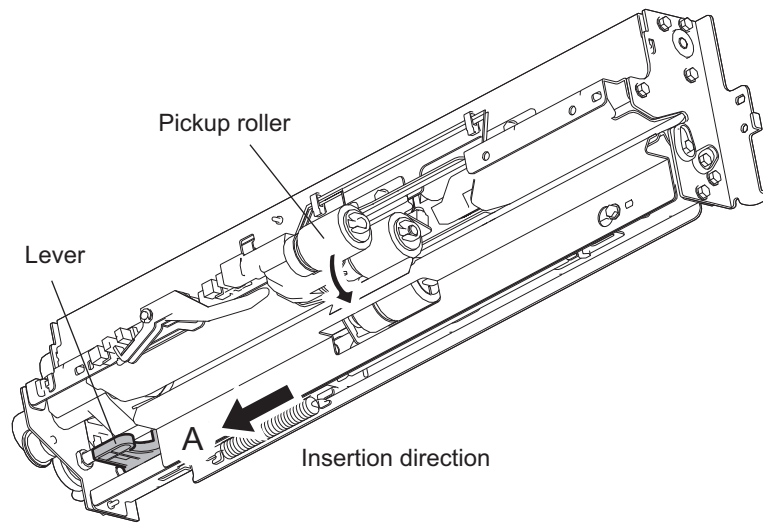


Fig. 3-45

[4] Paper size detection

This equipment automatically detects the size of the paper placed in each drawer.

The end and side guides in each drawer are moved according to the paper size and a pusher moves together with the end and side guides.

Then the protrusion of the pusher pushes each button of the drawer paper size detection sensors-1 and -2.

Thus the paper size is detected with the combination of the pushing statuses of the drawer paper size detection sensors-1 and -2.

The drawer paper size detection sensor-1 detects the movement of the side guides while the drawer paper size detection sensor-2 detects that of the end guide.

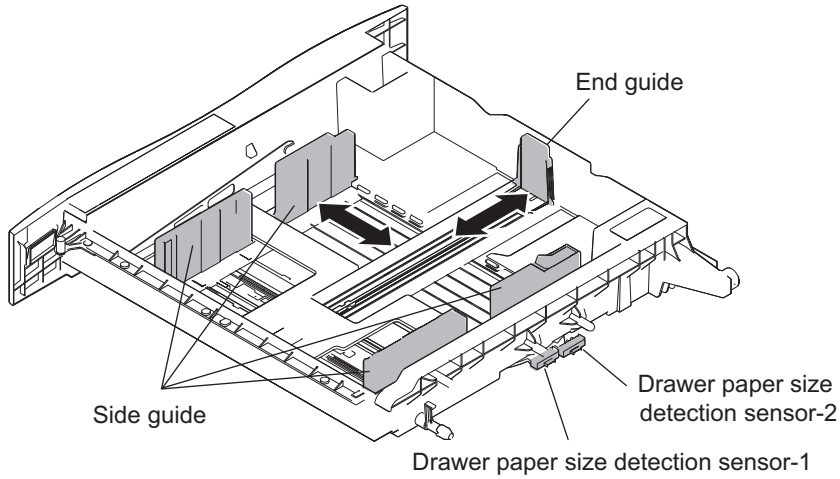


Fig. 3-46

[Example]

The positions of the guides and the pusher in cases of A3 and A4-R are shown below as examples.

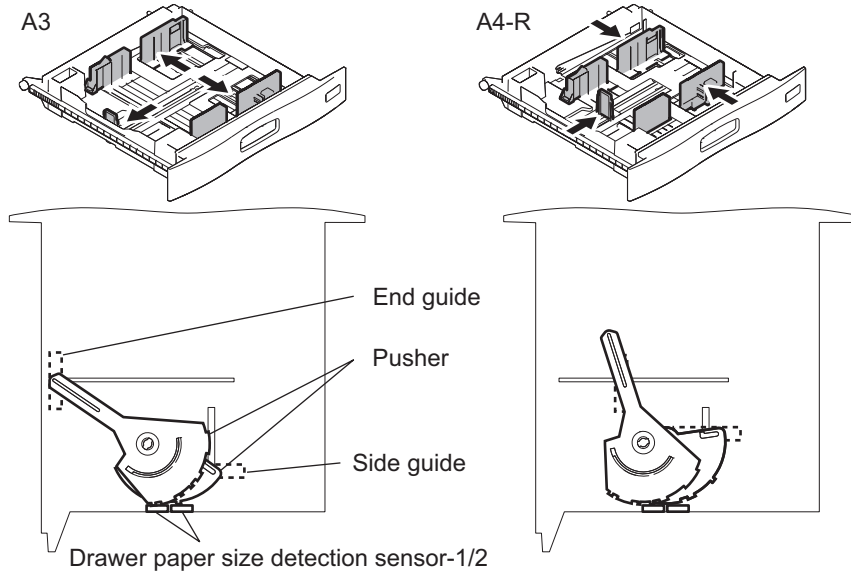


Fig. 3-47

[5] General operation

[A] From power-ON to ready status

1. When the equipment is turned ON, the tray-up motor-1 (M44) is activated and the 1st drawer tray starts to rise. When the tray-up sensor (S76) is turned ON (L→H), the tray-up motor-1 (M44) is turned OFF, and the tray is stopped. At this time, if the empty sensor (S75) is OFF (L), it is judged that there is no paper in the drawer.
If the empty sensor (S75) is ON (H), there is paper in the drawer. The tray stops at raised position regardless of availability of paper. The tray-up motor-1 (M44) then starts to rotate in reverse and the 2nd drawer is raised. The 2nd drawer is stopped in the same manner as the 1st drawer, and the empty sensor (S75) detects if there is any paper in the drawer.
2. If the drawer is not completely inserted when the equipment is turned ON, the tray for that drawer is not raised. When the drawer is inserted completely, the tray is raised and checks the availability of the paper.
3. If either of the sensors on the transport path is ON (means there is paper on the transport path) when the equipment is turned ON, it is determined that a paper jam has occurred and no operation is enabled until the paper is removed.

[B] Ready status

1. After the tray is moved up and availability of paper is checked as described above, the equipment enters the ready status.
At ready status, the tray remains at raised position.
2. When a drawer is inserted or removed at ready status, the tray is raised again to check the availability of paper.

[C] Bypass feeding

- The bypass paper sensor (S71) detects availability of paper.
- The bypass pickup solenoid (SOL8) is turned ON and the bypass pickup roller is lowered.
- The bypass motor (M12) is turned ON and then the bypass pickup roller, bypass feed roller and bypass transport roller are rotated and start feeding.
- The leading edge of paper turns ON the bypass feed sensor (S72) and bypass pickup solenoid (SOL8) is turned OFF. Then the bypass pickup roller is raised.
- The leading edge of paper turns ON the registration sensor (S52) and the paper is aligned by the registration roller.
- The bypass motor (M12) is turned OFF, and then the bypass pickup roller, bypass feed roller and bypass transport roller are stopped.
- The registration motor (M39) is turned ON and the paper is transported to the 2nd transfer position.

[D] Drawer feeding

[D-1] 2nd drawer

- The feed motor and transfer motor are turned ON, and the pickup roller, feed roller and transport roller are rotated to start feeding paper.
- Passing of the leading edge of the paper turns ON the 2nd drawer feed sensor, then the 2nd transport sensor is turned ON.
- Passing of the leading edge of the paper turns ON the registration sensor and the paper is aligned by the registration roller.
- The transport motor is turned OFF and the transport roller is stopped.
- The registration motor and transport motor are turned ON and the paper is transported to the 2nd transfer position.

[D-2] 1st drawer

- The feed motor and the transport motor are turned ON, and the pickup roller, feed roller and transport roller are rotated to start feeding paper.
- Passing of the leading edge of the paper turns ON the 1st drawer feed sensor, then the 1st transport sensor is turned ON.
- Passing of the leading edge of the paper turns ON the registration sensor and the paper is aligned by the registration roller.
- The transport motor is turned OFF and the transport roller is stopped.
- The registration motor and transport motor are turned ON and the paper is transported to the 2nd transfer position.

3.12 Process Unit Related Section

3.12.1 General description

The equipment has 4 process units (EPU: Electrographic Processing Unit). Each process unit consists of the drum cleaner unit and developer unit which are unified, and it corresponds to the image forming process of Y, M, C and K colors. This chapter describes the development (developer unit) which is a process of making toner adhere to the drum.

The developer material which is comprised of a mixture of toner and carrier, and is filled in the developer unit of each color. The toner is charged to a negative polarity and the carrier to a positive polarity, due to the friction with each other caused by mixing in the developer unit. The charged toner is supplied to the photoconductive drum surface by means of a magnetic roller, allowing it to adhere to the areas on the drum surface where the potential is lower than the developer bias which is applied to the magnetic roller. Through this process, the latent images are formed on the photoconductive drum surface.

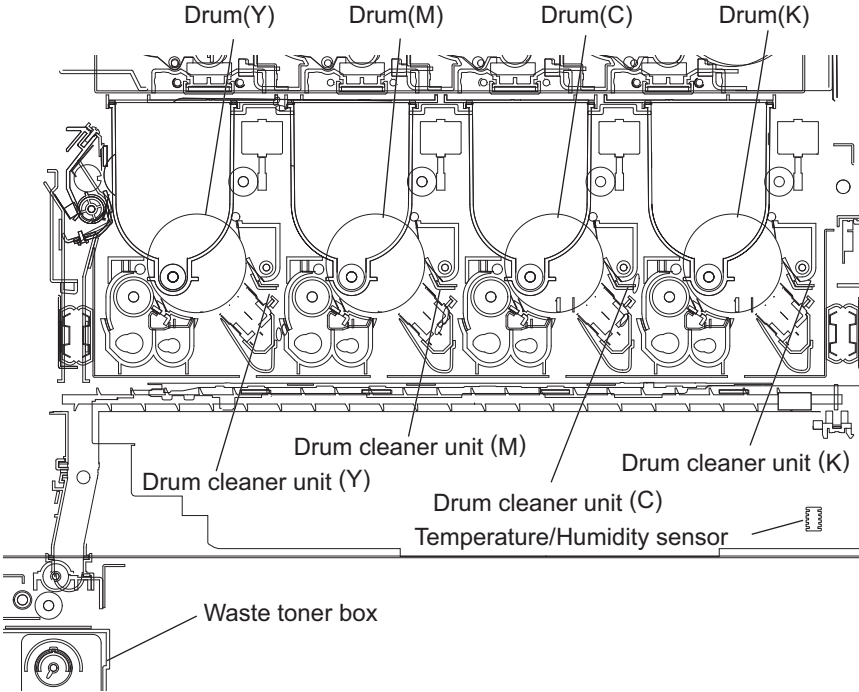


Fig. 3-48

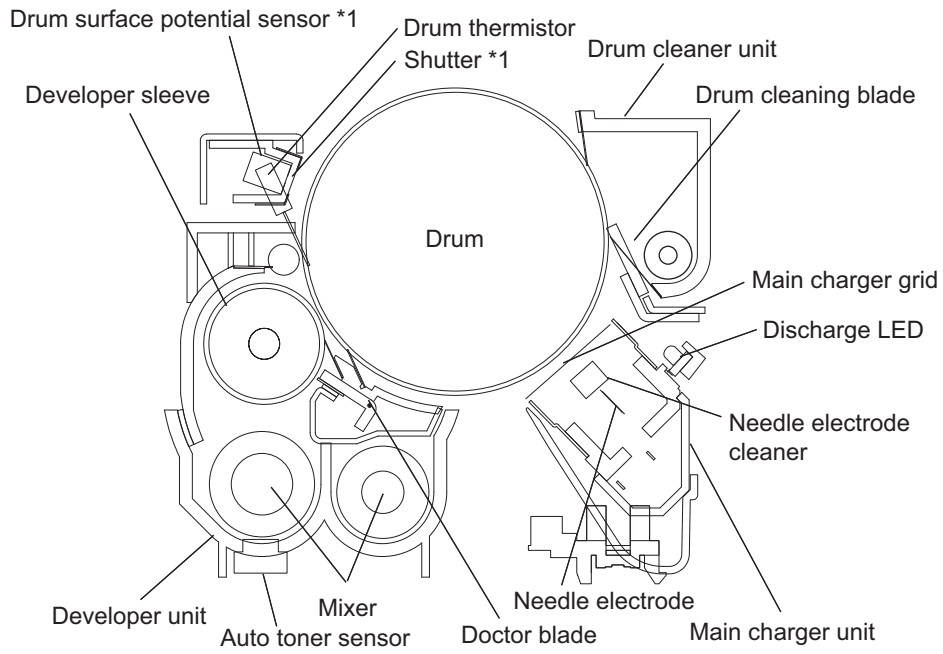


Fig. 3-49

*1: Only for K station in e-STUDIO6550C/6570C

3.12.2 Composition

Process unit (Y, M, C, K)	Drum cleaner unit	Drum	PM parts
		Cleaning blade	PM parts
		Recovery blade	
		Blade side seal	
		Toner recovery auger	
	Main charger unit	Main charger grid	PM parts
		Needle electrode	PM parts
		Needle electrode cleaner	PM parts
		Discharge LED	ERS-Y, -M, -C, -K
	V0 sensor unit	Drum surface potential (V0) sensor (e-STUDIO6550C/6570C only)	S34
		V0 sensor shutter solenoid -K (e-STUDIO6550C/6570C only)	SOL4
		Drum thermistor-Y, -K	THM1, THM2
		Needle electrode cleaner motor-K/-C/-M/-Y	M23, M24, M25, M26
		Needle electrode cleaner detection sensor-K/-C/-M/-Y	S30, S31, S32, S33
		Main charger ozone exhaust fan-K/-C/-M/-Y	F17, F18, F19, F20
		Auger lock detection sensor	S42
	Developer unit	Developer material	
		Auto-toner sensor	S26, S27, S28, S29
		Developer sleeve (Magnetic roller)	
		Doctor blade	
Mixer			
Drive section, other	Temperature/Humidity sensor	S12	
	Ozone filter-1, -2	PM parts	
	Ozone suctioning fan	F24	
	High-voltage transformer	HVT1, HVT2	
	Developer unit motor-K/-YMC	M29, M31	
	Developer unit mixer motor-K/-YMC	M30, M32	
	Drum motor-K/-YMC	M27, M28	
	Toner filter	PM parts	
	Scattered toner suctioning fan	F25	
EPU cooling fan	F14		

3.12.3 Functions

1. Drum

Drum is made of a cylindrical aluminum base coated with a thin film of organic photosensitive (photoconductive) substance. Photoconductive object becomes insulative (high electrical resistance) when it is not exposed to lights and becomes conductive (low electrical resistance) when it is exposed to lights. This object is called photoconductor.

2. Drum cleaner unit

- Cleaning blade
This blade is pressed against the drum surface with a constant force by pressure springs, and scrapes off the residual toner on the drum surface.
- Recovery blade
This blade prevents the toner which was scraped off by the cleaning blade from being scattered to the outside.
- Toner recovery auger
This auger carries the residual toner scraped off to the waste toner box.

3. Main charger

The main charger in this equipment consists of insulated terminals having a U-shaped section and a needle electrode attached between them. When a high voltage is applied to the needle electrode, the air around it is charged (ionized). The ionized air then flows into the drum causing it to be charged. This phenomenon is called "corona discharge". At the same time, a control bias is applied to the main charger grid to control the charging amount. In a dark place, negative charge is evenly applied onto the drum surface by the corona discharge and this grid. In addition, a cleaner is installed to clean up the blot attached on the needle electrode.

- Needle electrode
The needle electrode has aligned needles and their points perform the corona discharge. These points (electrodes) discharge toward the drum in one direction to realize the more efficient discharging comparing to the charger wire which discharges in a radial direction. Therefore, the needle electrode enables to reduce the ozone amount.

4. Drum thermistor (THM1, THM2)

Since the photoconductive characteristic of the drum surface changes depending on the temperature of the drum surface, the drum thermistor detects the temperature of the drum surface and controls to gain the charging potential according to the environment. The equipment uses 2 drum thermistors and they detect surface temperature of K and Y drums respectively.

5. Discharge LED (ERS-Y, -M, -C, -K)

Discharge is a process to decrease or eliminate the static electricity on the drum surface. The electrical resistance of the photosensitive layer is decreased by the light, and the residual charge on the drum surface is neutralized and eliminated (cleaned). Electrical potential of the drum surface is fixed to a certain amount before the drum is charged.

6. Temperature/humidity sensor (S12)

This sensor measures the environment inside the equipment. The values of the temperature and humidity detected inside the equipment are output to the LGC board.

7. Ozone filter

Ozone produced by corona discharge of the main charger is exhausted through this filter. The catalyzer of the ozone filter degrades the ozone.

8. Ozone suctioning fan (F24)

This fan sucks in air contains ozone generated by the main charger and exhausts it through the ozone filter-1.

9. High-voltage transformer (HVT)

A circuit generates the output control voltage V_c of the main charger bias, main charger grid bias, 1st transfer roller bias, 2nd transfer roller bias, and developer bias.

10. Drum motor-K

This motor drives the K drum.

The drive of the motor is transmitted with the gear from the drum motor to the K drum.

To align the phases of the K drum and color drums and enhance the color registration accuracy, the signal change of the color drum phase sensor and the K drum phase sensor works as a trigger to stop the motor.

For further color registration accuracy, the gears are precisely assembled.

11. Drum motor-YMC

These motors drive the Y, M and C drums.

The drive of the motor is transmitted with the gear from the drum motor to the M (C) drum and then to the Y drum.

To align the phases of the K drum and color drums and enhance the color registration accuracy, the signal change of the color drum phase sensor and the K drum phase sensor works as a trigger to stop the motor.

For further color registration accuracy, the gears are precisely assembled.

12. Developer unit motor-K

This motor drives the auger to carry waste toner gathered with the K developer magnetic roller and K cleaning blade to the waste toner transport path.

To maintain the rotational speeds of the photoconductive drum and the developer magnetic roller at a specified ratio, the developer unit motor rotates at a speed proportionate to the paper transport speed for special modes such as the thick paper mode.

The drive of the motor is transmitted with the gear, and the motor is connected to the developer unit with a coupling.

13. Developer unit mixer motor-K

This motor drives a mixer to mix and transport K developer material.

The rotational speed of this motor is constant in any mode because the transport amount of the developer material must be stable in any special mode such as the thick paper mode.

The drive of the motor is transmitted with the gear, and the motor is connected to the developer unit with a coupling.

14. Developer unit motor-YMC

These motors drive the auger to carry waste toner gathered with the YMC developer magnetic rollers and YMC cleaning blades to the waste toner transport path.

To maintain the rotational speeds of the photoconductive drum and the developer magnetic roller at a specified ratio, the developer unit motor rotates at a speed proportionate to the paper transport speed for special modes such as the thick paper mode.

The drive of the motor is transmitted with the gear, and the motor is connected to the developer unit with a coupling.

15. Developer unit mixer motor-YMC

These motors drive a mixer to mix and transport YMC developer materials.

The rotational speed of these motors is constant in any mode because the transport amount of the developer material must be stable in any special mode such as the thick paper mode.

The drive of the motor is transmitted with the gear, and the motor is connected to the developer unit with a coupling.

16. Developer material

The developer material consists of the carrier and toner. Normally developer material does not need to be replaced periodically. However, replacement may be needed depending on the use condition.

17. Mixer

The carrier and toner are frictionized each other when the developer material is stirred. Then the carrier is positively charged (+) and the toner is negatively charged (–), and the toner is adhered by the electrostatic force.

18. Developer sleeve (Magnetic roller)

These aluminum rollers have magnets inside. The developer material is pulled by these magnets to form a magnetic brush. The magnets are fixed at their position so that only the sleeve rotates. By this rotation, the developer material is transported to the developer sleeve. Then the magnetic brush formed at the developer sleeve sweeps over the drum surface and thus development is performed.

19. Doctor blade

The doctor blade controls the amount of the developer material from the developer sleeve so that the magnetic brush of the developer material can contact with the drum surface properly.

20. Auto-toner sensor (S26, S27, S28, S29)

To print out a precise image, the proportion (toner density ratio) of the carrier and the toner in the developer material needs to be always constant. The magnetic bridge circuit in the black auto-toner sensor detects the toner ratio in the developer material. Toner is supplied from the sub-hopper when the toner contained in the developer material is running out.

21. Toner motor (M15, M16, M17, M18)

These motors drive the paddles and auger in the toner cartridge and transport the toner filled in the cartridge to the sub-hopper. Each toner cartridge of Y, M, C and K mounts one toner motor correspondingly.

22. Sub-hopper toner motor (M19, M20, M21, M22)

This motor transports toner in the sub-hopper to the developer unit. One motor is installed for each developer unit of YMCK colors.

23. Waste toner transport motor (M33)

The waste toner transport motor rotates the auger in the corresponding unit and transports the waste toner which exits from each YMCK developer unit and the transfer belt cleaner unit, as well as the waste developer material which exits from each YMCK developer unit.

24. Auger lock detection sensor (S42)

This sensor detects locking of the waste toner transport auger. When the waste toner transport auger is locked due to the overload or malfunction of the motor, this sensor detects it and the service call (CD71) occurs.

25. Waste toner amount detection sensor (S13)

The waste toner amount detection sensor is a transmissive sensor whose purpose is to detect the amount of waste toner in the waste toner box.

This sensor detects when the amount of waste toner has reached approx. 80% of the toner full.

26. Waste toner box full detection sensor (S14)

The waste toner box full detection sensor is a transmissive sensor whose purpose is to check the sensor section at the side of the waste toner box. When the Waste toner box becomes full of waste toner and the accumulated waste toner shields the sensor path, this sensor detects that the waste toner box is full.

27. Waste toner box

This collects the residual toner scraped off on the drum surface by the cleaning blade and residual toner scraped off on the transfer belt by the transfer belt cleaning blade.

Developer material discharged in SR development is also recovered into the waste toner box.

28. Waste toner box detection sensor (S16)

This sensor detects if the waste toner box is set and whether the waste toner box cover is opened or closed.

29. Toner filter

This collects toner scattered out of the developer unit (developer sleeve).

30. Scattered toner suctioning fan (F25)

This fan sucks in toner scattered out of the developer unit (developer sleeve) and collects it through the toner filter.

31. Toner cartridge paddle rotation detection sensor-K/C/M/Y (S8/S9/S10/S11)

These sensors detect the rotational status of the paddle of each toner cartridge. The rotational status can be detected with an actuator rotating together with the paddle.

3.12.4 Electric Circuit Description

[1] Drum Surface Potential Sensor Control Circuit

[1-1] General description

The drum surface potential sensor measures the surface potential of the drum when the drum is charged. Based on the measured value, this sensor controls the main charger grid bias voltage, and thus can control the drum surface potential accurately.

[1-2] Configuration

The configuration of this control circuit is shown below.

- Drum surface potential sensor:
Measures the drum surface potential.
- Drum surface potential sensor shutter:
This shutter prevents toner and developer material from adhering to the drum surface potential sensor.
- Control section (LGC board):
Calculates the main charger grid bias voltage to be applied when the image quality control is performed, then controls the high-voltage transformer to adjust its bias voltage output.
- High-voltage transformer:
Generates and supplies the bias voltage of the main charger grid.

3.13 Transfer unit

3.13.1 General Descriptions

Transfer is a process of decaling a toner image from the photoconductive drum onto paper. A toner image formed on the photoconductive drum is temporarily transferred onto the transfer belt, and the toner image is then transferred from the transfer belt onto paper. The first transfer from the drum to the transfer belt is called the 1st transfer, and the second transfer from the transfer belt to paper is called the 2nd transfer. To form a color image, the images of yellow (Y), magenta (M), cyan (C) and black (K) are transferred and overlaid on the transfer belt in order, and then the overlaid images are transferred onto paper.

After the completion of the 2nd transfer, the residual toner on the transfer belt is scraped off by the transfer belt cleaning blade and then transported to the waste toner box.

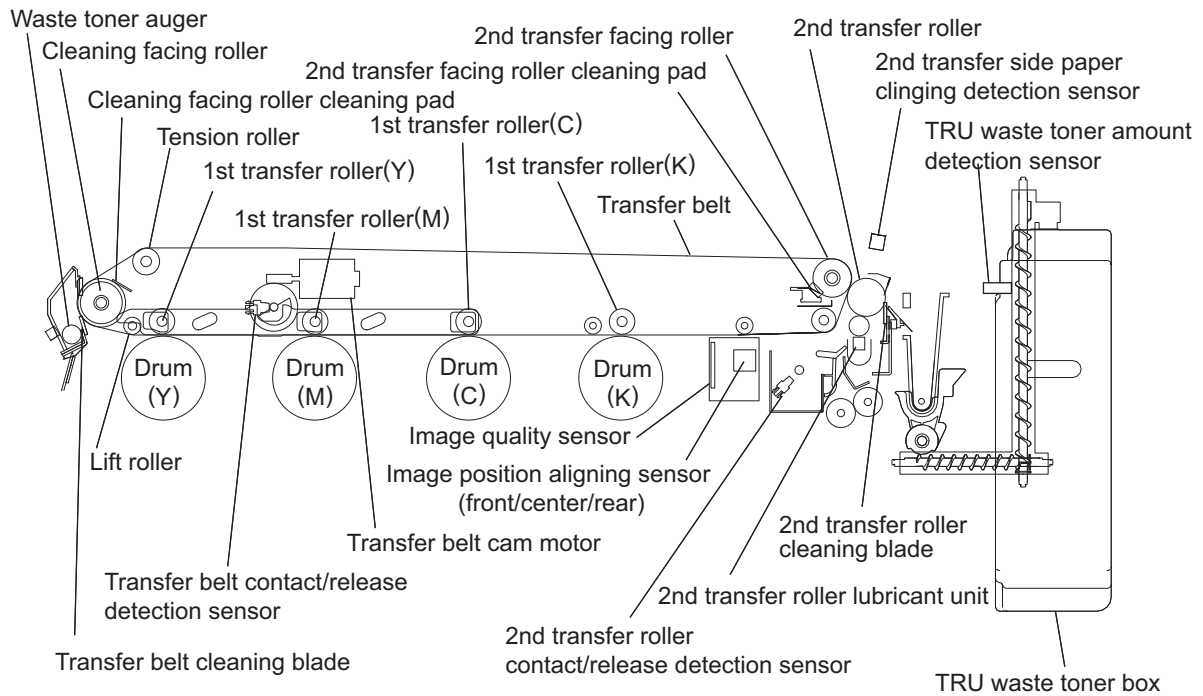


Fig. 3-50

3.13.2 Composition

Transfer belt unit	Transfer belt	
	1st transfer roller	Y, M, C, K
	Cleaning facing roller	
	Tension roller	
	2nd transfer facing roller	
	Lift roller	
	Idling roller	
	Transfer belt cam motor	M14
	Transfer belt contact/release detection sensor	S46
	2nd transfer facing roller cleaning pad	PM parts
	Cleaning facing roller cleaning pad	
	Transfer belt cleaning	Transfer belt cleaning blade
Transfer belt cleaner side seal		PM parts
Transfer belt motor		M13
2nd transfer unit	2nd transfer roller	PM parts
	2nd transfer roller lubricant unit	PM parts
	TRU waste toner box	
	TRU waste toner amount detection sensor	S17
	2nd transfer side paper clinging detection sensor	S51
Image position aligning sensor (front /center/rear)		S20 / S21/S22
2nd transfer roller contact/release detection sensor		S50
Image quality sensor		S23
2nd transfer cam motor		M48

3.13.3 Self steering mechanism

This equipment has a self-steering mechanism to prevent the transfer belt from leaning to one side. The composition of the self-steering mechanism is shown below.

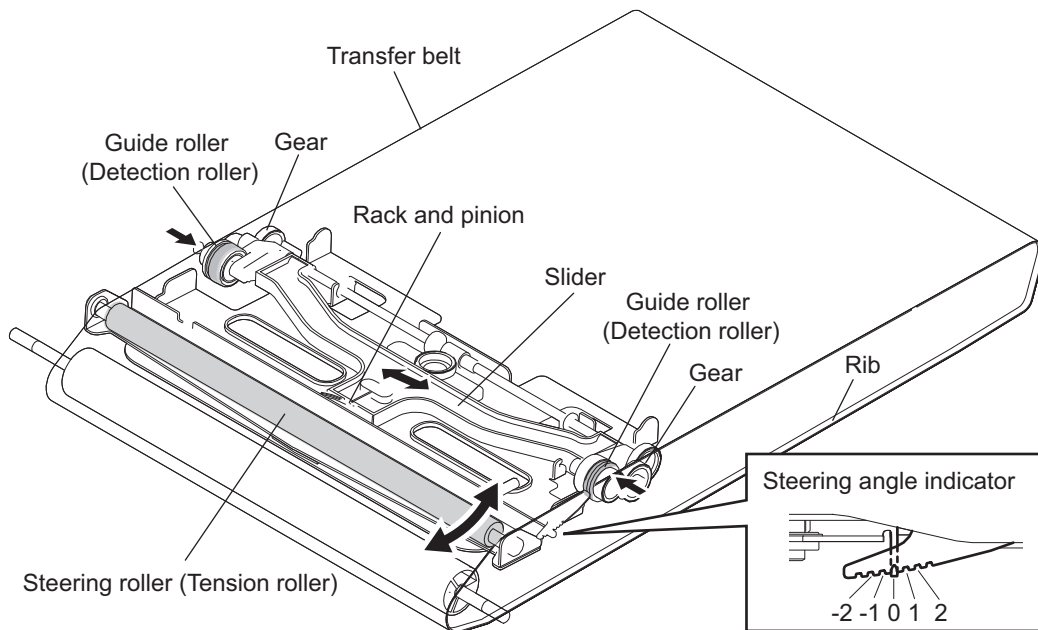


Fig. 3-51

Operation flow

1. The transfer belt is inclined to the front or rear side.
2. The rib of the inclined belt contacts with either of the guide rollers and thus makes the gears rotate.
3. The gears rotate and thus their lead screws make the slider shift forward or backward.
4. The steering roller is inclined with the rack and pinion mechanism.
5. The inclined steering roller moves the inclined transfer belt to the original position.
6. The steering roller stops the leaning at a position in which the rib of the belt no longer contacts with the guide roller.

Notes:

- The tolerance for the cutting angle of the self-steering mechanism is normally ± 2 degrees.
- If the cutting angle does not fall within the acceptable range, check and correct the following:
 1. Is the equipment installed on a flat surface? Is the equipment installed slantwise?
 2. Is the transfer belt unit assembled correctly?
 3. Is the transfer belt installed correctly?

3.14 Image Quality Control

Image quality control is divided into image quality process control and image quality TRC control. When the e-BRIDGE Controller is installed, the image quality TRC control is performed with a single test pattern, and when the EFI Printer Board (optional) is installed, it is performed with 2 test patterns.

3.14.1 General Description

In this equipment, image quality is controlled with the image quality sensor (S23).

In the image quality control, image forming conditions or image processing conditions are automatically adjusted so as to minimize the change in the image density or tone reproduction caused by the fluctuation of the use environment or the life of the supply items.

At first, the image quality sensor (S23) emits light in order to output the reflected light amount voltage with no toner image formed on the transfer belt.

This reflected light amount voltage is then converted analog-to-digital to be output to the LGC board as a reflected light amount signal. The light amount voltage of the light source of the sensor is adjusted so that the output value of the reflected light amount signal will correspond with a value set in advance.

Next, a test pattern is developed on the transfer belt, and the reflected light amount signal output from the developed test pattern is detected as the toner amount for a toner image. This series of operations is the scanning of a toner image (detection of the output value).

3 test patterns are provided for scanning this toner image. Each of them is used to determine the following conditions:

1. Image quality process control test pattern
The toner image of the test pattern is scanned and the image forming conditions are determined to be approximated to the preset value.
2. Image quality TRC control test pattern
The toner image of the test pattern is scanned and the image processing conditions are determined according to the value output from the toner image.
3. Image quality TRC control test pattern for the EFI Printer Board (optional)
(Only for the equipment with the EFI Printer Board (optional) installed.)
The toner image of the test pattern is scanned and the image processing conditions are determined according to the value output from the toner image.

In addition, a shutter operated by the Image quality shutter solenoid (SOL3) is equipped on the light receiving/emitting surfaces to prevent stain to the sensor.

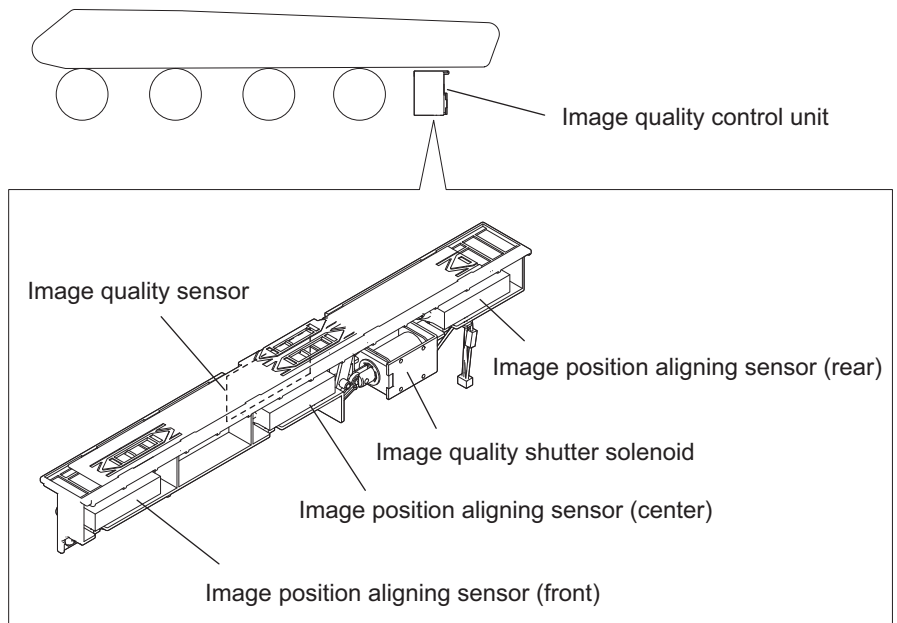


Fig. 3-52

3.15 Fuser Unit

3.15.1 General Description

Toner is fused by applying heat and pressure on the transferred image on the paper which is transported to the fuser unit. The paper is then transported to the bridge unit. The fuser unit consists of the fuser belt, fuser roller, heat pipe roller, IH coil, pressure roller, separation fingers, separation plate, thermopiles, thermistors, thermostats, sensor etc.

The fuser roller and pressure roller in the fuser unit are driven by the fuser motor.

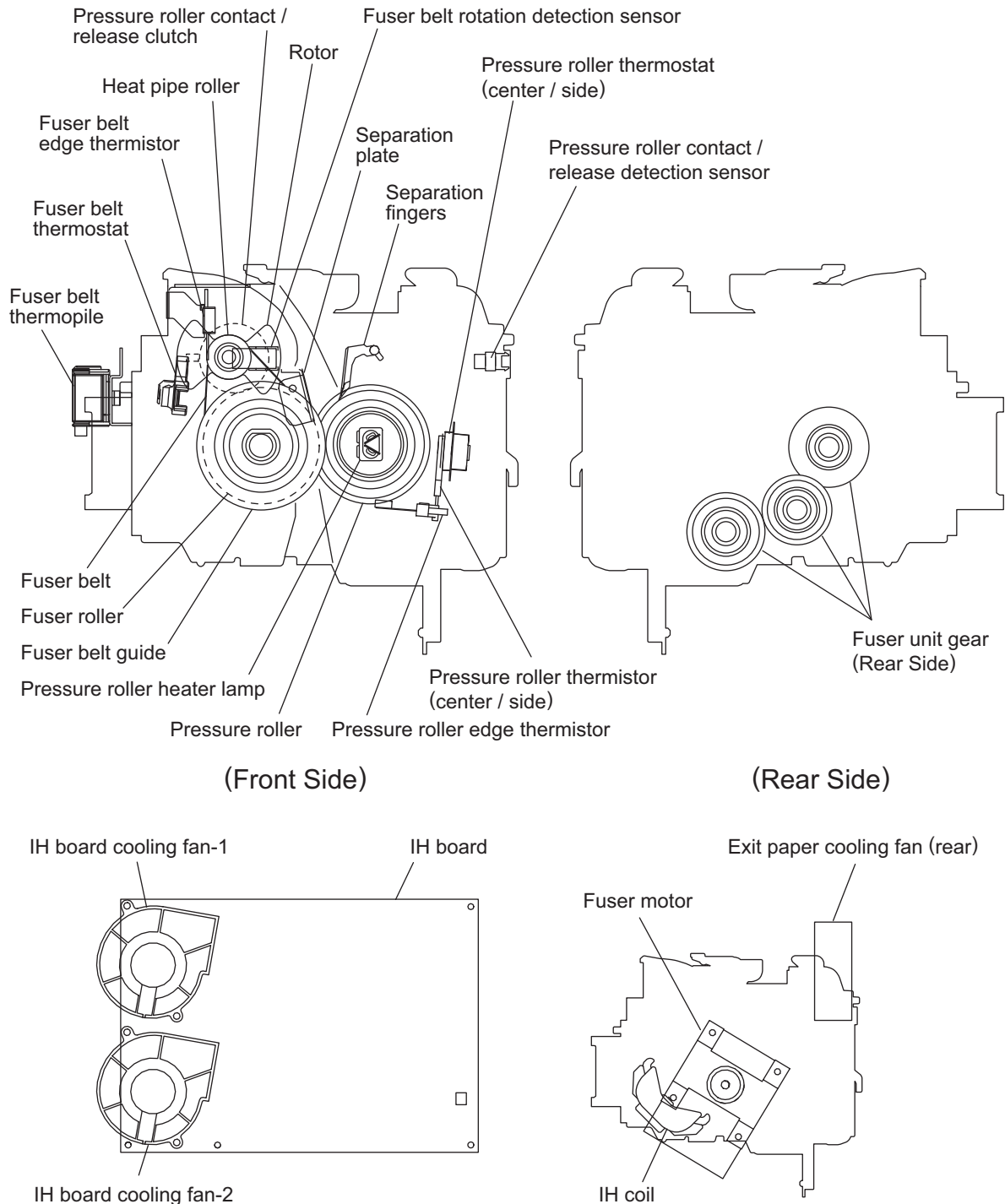


Fig. 3-53

3.15.2 Composition

Fuser belt section	Fuser belt	PM parts
	Fuser belt guide	PM parts
	Fuser roller	PM parts
	Heat pipe roller	
	Fuser belt thermostat	THMO4
	Fuser belt edge thermistor	THM6
	Fuser belt thermopile	THMP1
	Fuser belt rotation detection sensor	S49
	Separation plate	
Pressure roller section	Pressure roller	PM parts
	Separation fingers	PM parts
	Pressure roller heater lamp	LAMP
	Pressure roller center thermistor	THM3
	Pressure roller side thermistor	THM4
	Pressure roller edge thermistor	THM5
	Pressure roller center thermostat	THMO2
	Pressure roller side thermostat	THMO3
	Pressure roller contact / release clutch	CLT1
	Pressure roller contact / release detection sensor	S48
IH coil section	IH coil	IH COIL
	IH board	IH
	IH board cooling fan-1	F8
	IH board cooling fan-2	F9
Drive section / Others	Fuser motor	M6
	Exit paper cooling fan (rear)	F15
	Fuser unit jam releasing LED	LED

[1] Difference of Fuser units

The differences between e-STUDIO5520C/6520C/6530C and e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C are as follows.

- * The direction for installing the connector is upside down. (Check the position of the dowel and the terminal of the connector to distinguish them.)
- * The stamp (lot) in e-STUDIO5520C/6520C/6530C is black, the one in e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C is red.

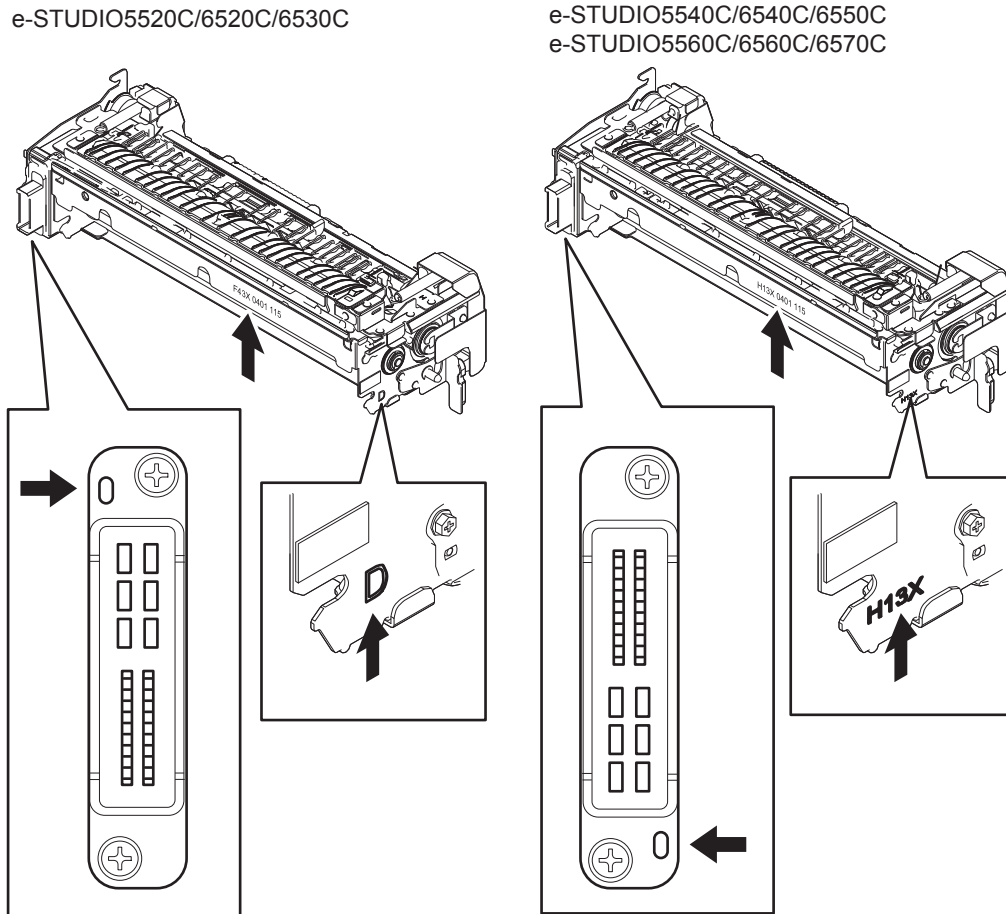


Fig. 3-54

[2] Difference for Destination of Fuser Unit

The fuser unit for the MJD/MJC destination was developed for e-STUDIO5540C/6540C/6550C. However, it has been integrated with the ASD/AUD destination for e-STUDIO5560C/6560C/6570C.

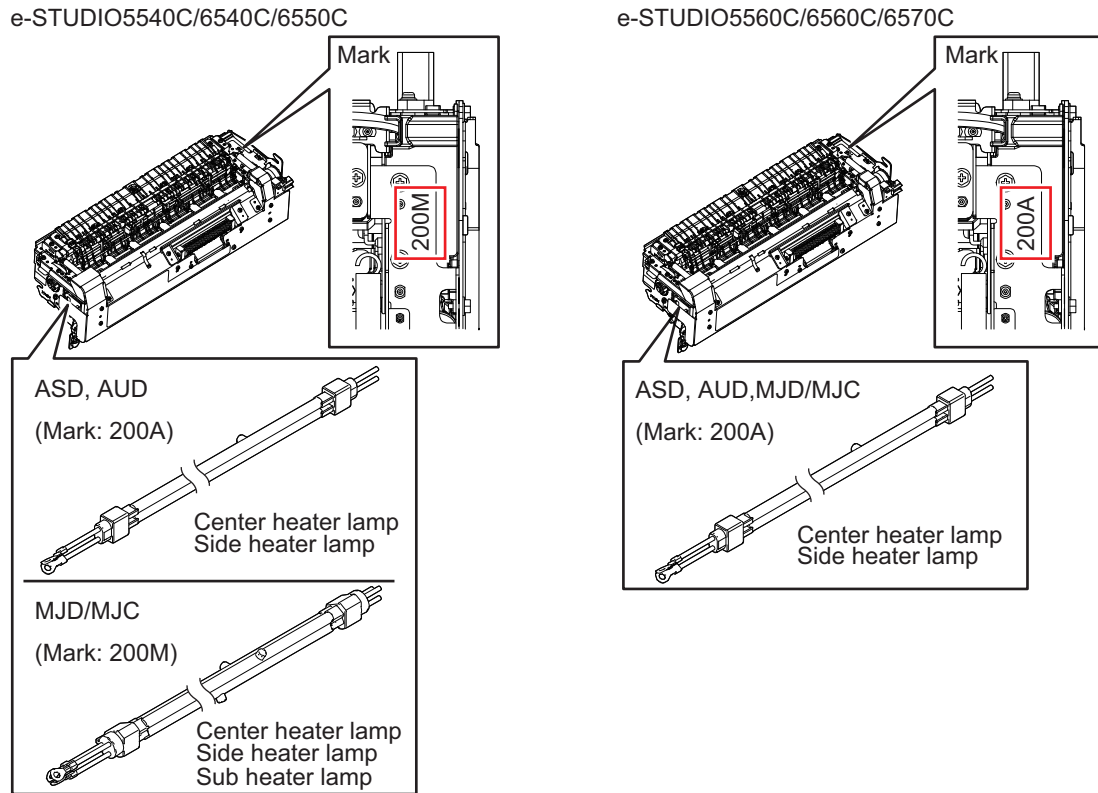


Fig. 3-55

Notes:

- The fuser unit (FUSER-FC65-220M) for the MJD/MJC destination for e-STUDIO5540C/6540C/6550C is not available for e-STUDIO5560C/6560C/6570C. If the non-corresponding fuser unit is installed mistakenly, a service call “C4B1” error will occur due to the incorrect destination.
- Moreover, be sure not to install the fuser unit (FUSER-FC65-220A) with two heater lamps in e-STUDIO5540C/6540C/6550C for the MJD/MJC destination. Otherwise, a service call “C4B1” error will occur.

Combination of the mark and destination

Mark	e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/6570C	Remarks
115	NAD	NAD	
200A	ASD, AUD, CND	ASD, AUD, MJD/MJC	
200M	MJD/MJC	N/A	3 heater lamps
200C	N/A	CND	

[3] Heat pipe roller

A heat pipe roller consists of a cylindrical pipe containing pure water and is sealed.

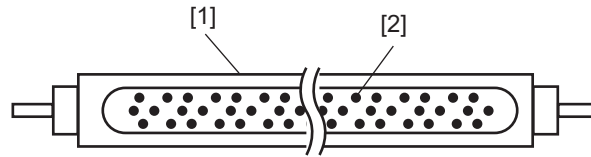


Fig. 3-56

[1] Heat pipe

[2] Liquid (Water)

When external heat is applied to the heat pipe roller, the internal water evaporates. This can make the temperature of the whole roller even in a short time.

Notes:

- Store the heat pipe roller horizontally.
- When disposing of the heat pipe, make a hole in it and pour out the water inside, otherwise it could burst.

3.15.3 Electric Circuit Description

[1] Fuser unit control circuit

[1-1] Configuration

This equipment employs an external IH coil unit for heating the fuser belt and two or three (center, side and sub) heater lamps with a different light emitting (heating) point in the pressure roller. The sub heater lamp is included only for the triple type. IH coils in the IH coil unit generate a magnetic field to heat the fuser unit with a high-frequency current carried inside of them. The heater lamps heat the pressure roller by turning themselves ON with a command from the ASIC of the LGC board.

The surface temperature of the fuser belt is detected with the fuser belt edge thermistor (THM6), together with the fuser belt thermopile (THMP1: non-contact sensor). The surface temperature of the pressure roller is detected with the pressure roller center thermistor (THM3), the pressure roller side thermistor (THM4), the pressure roller edge thermistor (THM5). The detected temperature data are sent to the ASIC through an A/D converter. Based on the sent temperature data, the ASIC then turns the IH coils and the heater lamps ON or OFF to control the surface temperatures.

When the surface temperature of the fuser belt or the pressure roller exceeds the preset temperature as a result of overheating detection by each thermistor or thermopile, the forcible power OFF circuit sends a power supply relay OFF signal as well as an overheating signal to the ASIC and the heater lamp control circuit, and then shuts off the power supply over all the parts, except for the control panel. If the heater lamp control circuit does not operate due to problems such as thermistor malfunction and therefore the fuser belt or the pressure roller is abnormally heated, the pressure roller center thermostat (THMO2), pressure roller side thermostat (THMO3) and fuser belt center thermostat (THMO4) shut off the power supply to the IH coils and the heater lamps to protect the equipment.

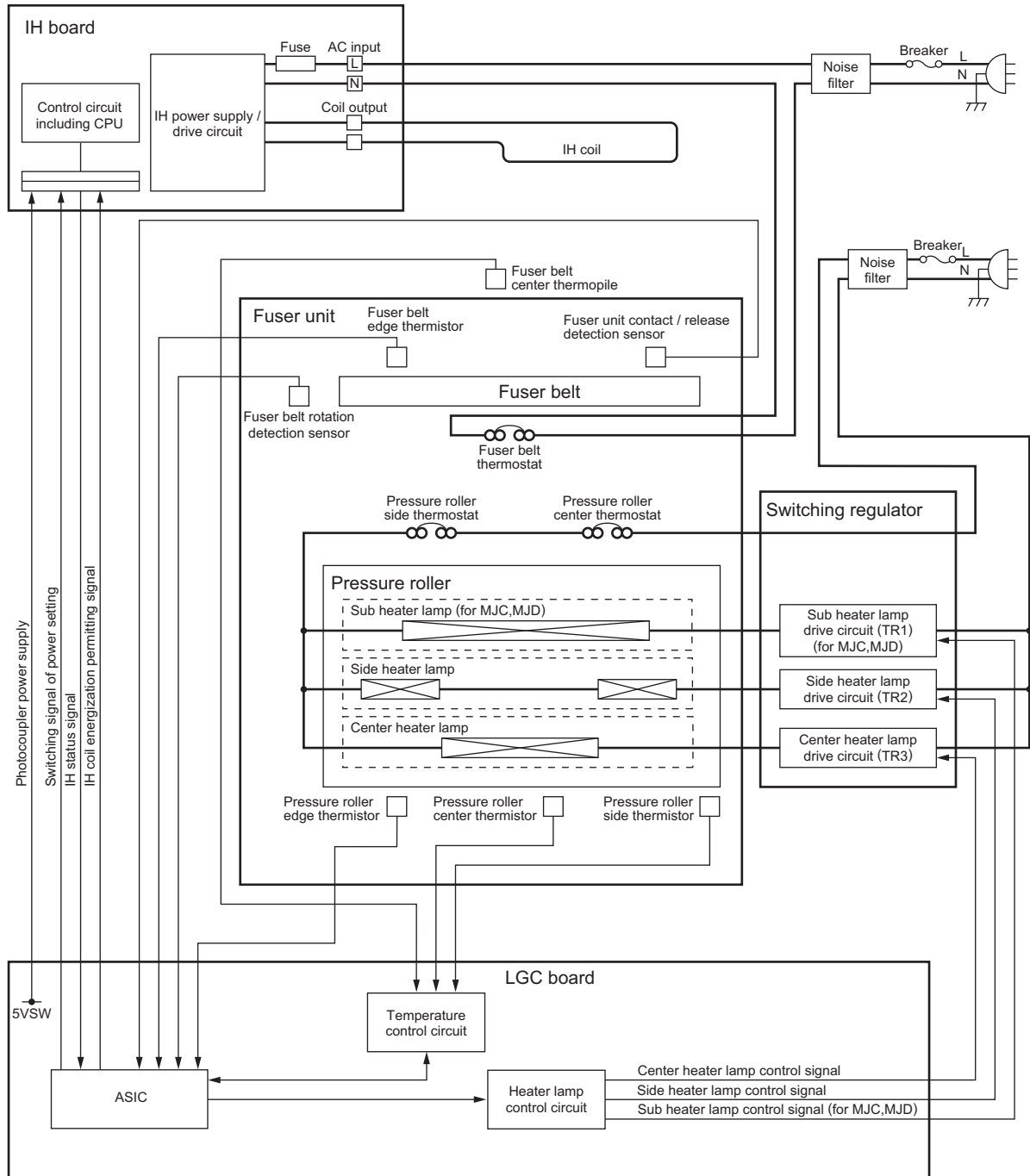


Fig. 3-57

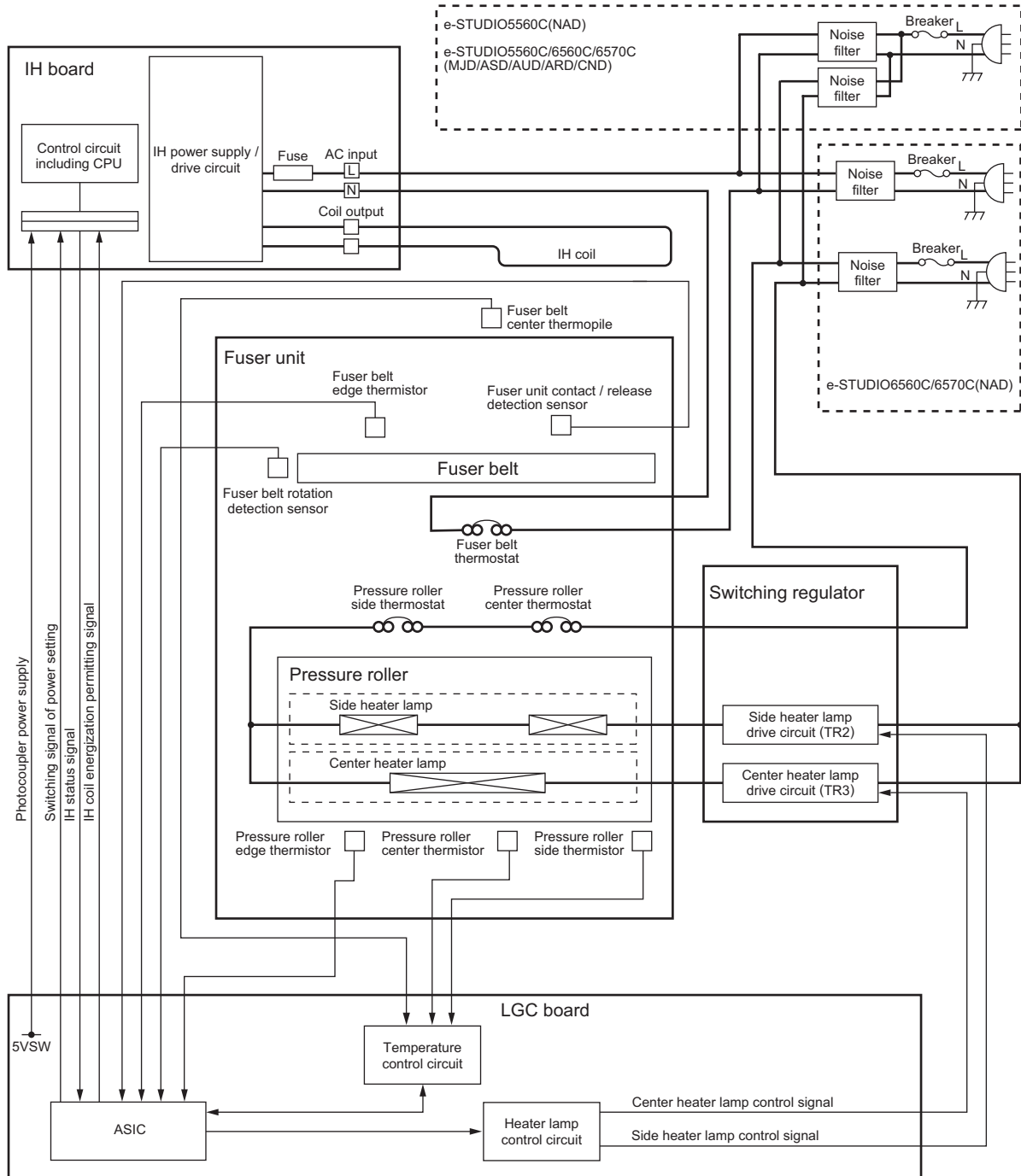


Fig. 3-58

[1-2] Temperature detection section

6. Fuser unit error status counter control

- To enhance the safety of the fuser unit section, the engine CPU provides the following protection: When a third [C411] error has occurred after two consecutive [C411] errors, the heater lamps are not turned ON and an error [C412] is displayed immediately even if the operator turns the power OFF and then back ON. However, if the equipment goes into the ready state normally with the fuser unit error status counter value "1" or below, the counter is cleared to "0".
- If any of the error codes [C411] to [C490] is displayed and still not cleared even though the power is turned ON after the thermistor, thermopile, thermostat, heater lamps and other parts were repaired, check the fuser unit error status counter value in the Setting Mode (08-2002) to clear the value to "0".

Remarks:

The fuser unit error status counter (Setting Mode (08-2002)) never has any values other than 0 to 71.

- If the does not turn ON and the service call [C411] or [C412] is displayed immediately after the power is ON, ensure the fuser unit error status counter is "2" or over. If it is "2" or over, be sure to check the thermistor, thermopile, thermostat and heater lamp. Reset the counter to "0" after repairing them, then turn ON the power.
- If the fuser unit error status counter is "71" or over (e.g., 80), the data in SRAM itself may possibly have been ruined due to causes such as leakage from the chargers. Check the bias, high-voltage transformers and needle electrodes to see if any of them is defective, and also look through all the data.
- When the thermistors or thermopiles detect overheating, the engine CPU decides the error code and counter value of the fuser unit error status. After turning OFF each output (the heater lamp, exposure lamp, control panel display, motors and so on) to protect the fuser unit, the engine CPU shuts off the power supply over all the parts, except for the control panel.

Error code: C449, C468 ([C] and [8])

Counter value of the fuser unit error status: 8, 9, 18 to 23, 25 to 29 (08-2002)

Thermistors and thermopiles continue detecting the abnormal temperature even after the error codes and counter values are decided. Even if the main power switch is turned ON immediately, the power supply over all the parts, except for the control panel, is shut off when the surface temperature of the fuser belt is still higher than the abnormal temperature detected.

Wait until the surface temperature of the fuser belt is lowered enough, and turn ON the power to check the counter value while it is turned OFF again. After confirming that it is the fuser unit abnormality, correct the abnormality and reset the counter value (08-2002) to "0" to start up the equipment normally.

7. Temperature detection circuit

The thermistor is a device whose resistance varies according to the detected temperature, and the thermopile is a device whose output voltage varies according to the detected temperature. The ASIC detects voltages output from these devices, and judges whether the operation of the fuser unit is normal or abnormal from the changes in voltages.

If one of the thermistors and thermopiles is broken, the control circuit judges that the temperature of the fuser belt or pressure roller is extremely low and keeps turning the heater lamps ON. As a result, the temperature of the fuser belt or pressure roller rises, and possibly activates the thermostat which is a safety protection device. To prevent this in advance, the ASIC works to detect whether each thermistor and thermopile is broken or not.

Also, the control circuit constantly checks the temperature of the heat roller and the pressure roller to prevent them from excessive heating by circuit abnormality or thermistor abnormality, and automatically shuts OFF the power when one of these temperatures exceeds the specified temperature.

8. Abnormality detection by the thermistors and thermopiles

The following table shows the conditions for judging the temperature abnormality of the fuser belt and pressure roller, and the detecting timing.

Check timing	Temperature judged					Error code	Counter (08-2002)	Error judging timing
	Fuser belt thermistor / thermopile		Pressure roller thermistor					
	Center	Edge	Center	Side	Edge			
Power ON	220°C or above	---	---	---	---	C449	9	Power ON
	---	220°C or above	---	---	---			
	---	---	220°C or above	---	---	C468	8	
	---	---	---	220°C or above	---			
	---	---	---	---	210°C or above			
	---	---	40°C or below	150°C or above	---	C462	62	
	---	---	150°C or above	40°C or below	---			
Detecting 40°C	220°C or above	---	---	---	---	C449	19	On usual
	---	220°C or above	---	---	---			
	---	---	220°C or above	---	---	C468	18	
	---	---	---	220°C or above	---			
	---	---	---	---	210°C or above			
	40°C or below	---	---	---	---	C412 (C411)	2 (1)	Fixed time
	---	---	40°C or below	---	---			
	---	---	---	40°C or below	---	C462 (C461)	62 (61)	
---	---	---	---	---				
---	---	Difference between Center and Side: 40°C or more		---	C464	70		

Check timing	Temperature judged					Error code	Counter (08-2002)	Error judging timing	
	Fuser belt thermistor / thermopile		Pressure roller thermistor						
	Center	Edge	Center	Side	Edge				
Detecting 120°C	220°C or above	---	---	---	---	C449	21	On usual	
	---	220°C or above	---	---	---				
	---	---	220°C or above	---	---	C468	20		
	---	---	---	220°C or above	---				
	---	---	---	---	210°C or above				
	120°C or below	---	---	---	---	C446 (C443)	6 (3)		Fixed time
	---	---	Difference between Center and Side: 40°C or more		---	C464	71		
When pre-running end temperature or ready temperature is detected	220°C or above	---	---	---	---	C449	22	On usual	
	---	220°C or above	---	---	---				
	---	---	220°C or above	---	---	C468	20		
	---	---	---	220°C or above	---				
	---	---	---	---	210°C or above				
	Ready temperature or less	---	---	---	---	C446 (C445)	6 (5)		Fixed time

Check timing	Temperature judged					Error code	Counter (08-2002)	Error judging timing		
	Fuser belt thermistor / thermopile		Pressure roller thermistor							
	Center	Edge	Center	Side	Edge					
During ready	220°C or above	---	---	---	---	C449	23	On usual		
	---	220°C or above	---	---	---					
	---	---	220°C or above	---	---	C468	26			
	---	---	---	220°C or above	---					
	---	---	---	---	210°C or above					
	40°C or below	---	---	---	---	C447	7			
	---	40°C or below	---	---	---					
	---	---	40°C or below	---	---	C467	33			
	---	---	---	40°C or below	---					
	---	---	---	---	40°C or below					
	If 600 W of IH power is continued for longer than 20 sec. when the pressure roller center thermistor is 150°C or more			---	---	---	C448		32	Fixed time

Check timing	Temperature judged					Error code	Counter (08-2002)	Error judging timing		
	Fuser belt thermistor / thermopile		Pressure roller thermistor							
	Center	Edge	Center	Side	Edge					
During printing	220°C or above	---	---	---	---	C449	25	On usual		
	---	220°C or above	---	---	---					
	---	---	220°C or above	---	---				C468	26
	---	---	---	220°C or above	---					
	---	---	---	---	210°C or above					
	40°C or below	---	---	---	---	C447	24			
	---	40°C or below	---	---	---					
	---	---	40°C or below	---	---	C467	34			
	---	---	---	40°C or below	---					
	---	---	---	---	40°C or below					
At energy saving mode	220°C or above	---	---	---	---	C449	27	On usual		
	---	220°C or above	---	---	---					
	---	---	220°C or above	---	---				C468	26
	---	---	---	220°C or above	---					
	---	---	---	---	210°C or above					
At paper jam	220°C or above	---	---	---	---	C449	29	On usual		
	---	220°C or above	---	---	---					
	---	---	220°C or above	---	---				C468	28
	---	---	---	220°C or above	---					
	---	---	---	---	210°C or above					

* The figures in the “Error code” and “Counter” fields with parentheses denote that an error status has not yet been determined (= error status is detected only once).

3.16 Exit / Reverse / Duplex Section

3.16.1 General Description

In the paper exit section paper transported from the bridge unit is transported to the upper exit tray or the lower exit tray. The bridge unit transports paper transported from the fuser unit to the paper exit section. For duplex printing, the bridge unit makes paper switchbacked to the duplexing unit. The duplexing unit reverses paper for duplex printing. When printing on one side of paper is finished, the paper is transported from the bridge unit to the duplexing unit, and then the duplexing unit reverses and transports the paper to the registration roller with the other side up.

- Paper exit unit

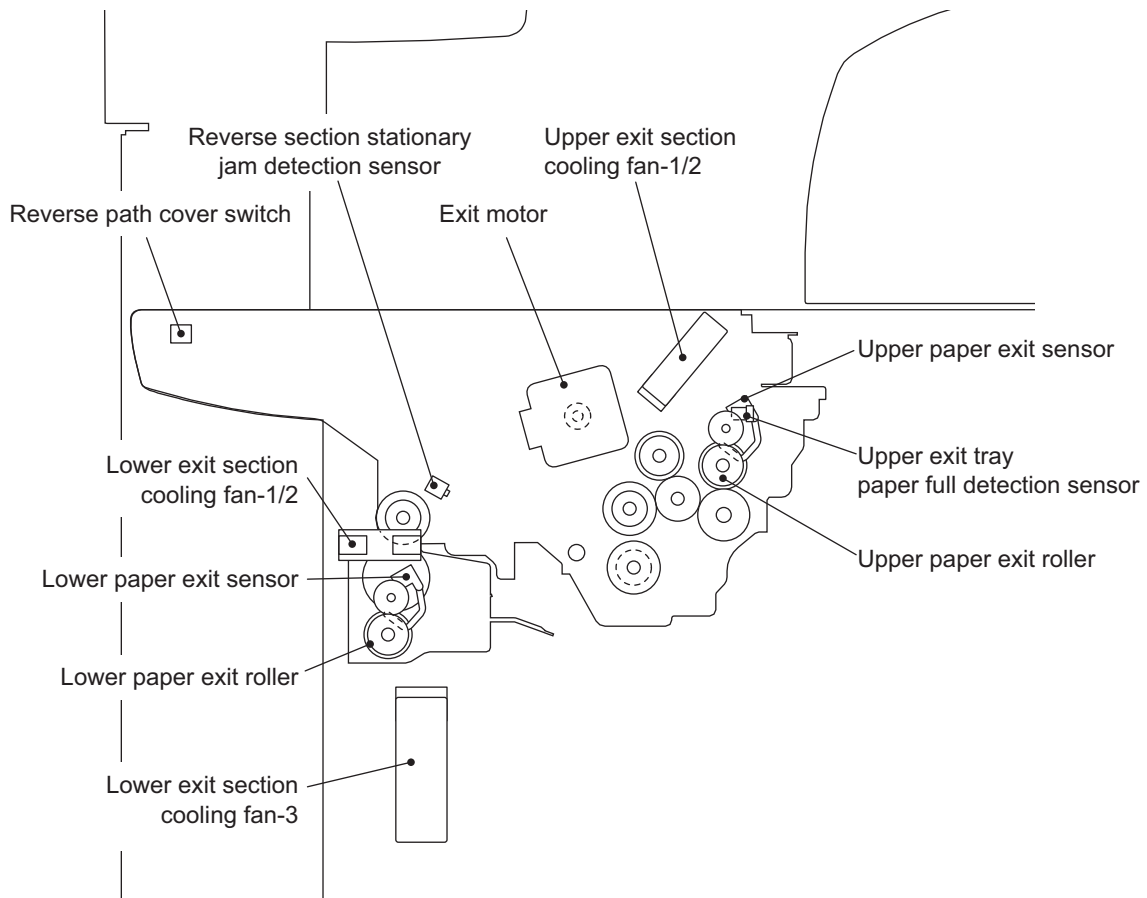


Fig. 3-59

- Bridge unit

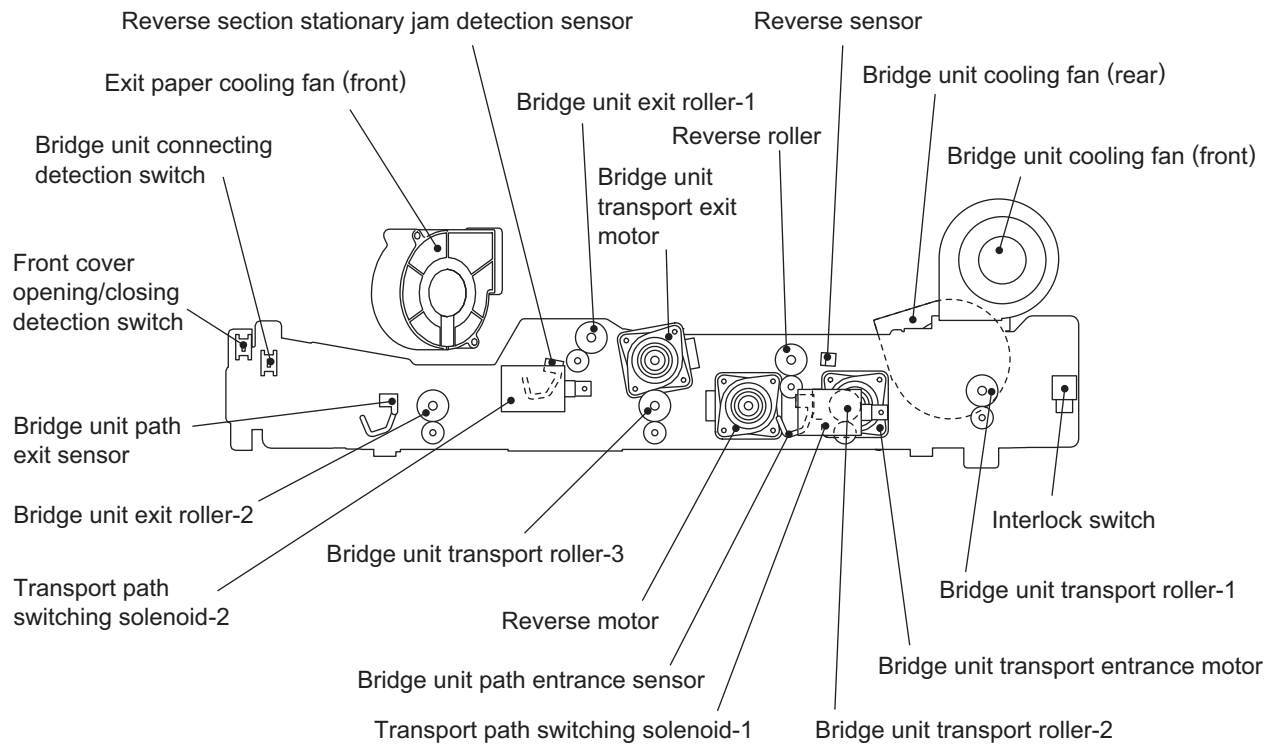


Fig. 3-60

- Duplexing bridge unit / Duplexing unit

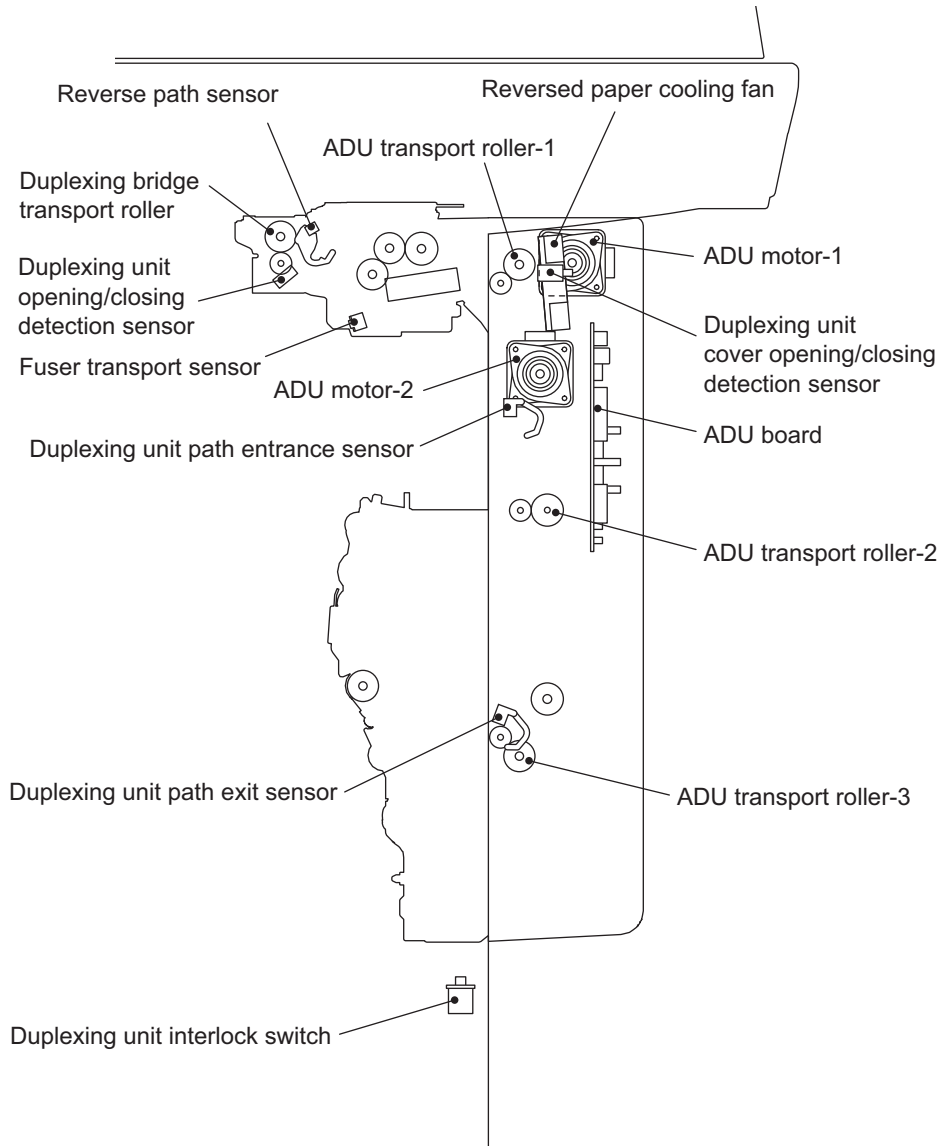


Fig. 3-61

3.16.2 Composition

Paper exit unit	Upper paper exit sensor	(S61)
	Upper exit tray paper full detection sensor	(S62)
	Lower paper exit sensor	(S63)
	Reverse section stationary jam detection sensor	(S60)
	Reverse path cover switch	(SW5)
	Upper paper exit roller	
	Lower paper exit roller	
	Upper exit section cooling fan-1	(F32)
	Upper exit section cooling fan-2	(F33)
	Lower exit section cooling fan-1	(F34)
	Lower exit section cooling fan-2	(F35)
	Lower exit section cooling fan-3	(F36)
	Exit motor	(M2)
	Bridge unit	Bridge unit path entrance sensor
Bridge unit path exit sensor		(S56)
Reverse section stationary jam detection sensor		(S58)
Reverse sensor		(S59)
Interlock switch		(SW2)
Bridge unit connecting detection switch		(SW8)
Front cover opening/ closing detection switch		(SW9)
Transport path switching solenoid-1		(SOL1)
Transport path switching solenoid-2		(SOL2)
Exit paper cooling fan (front)		(F5)
Bridge unit cooling fan (front)		(F6)
Bridge unit cooling fan (rear)		(F7)
Bridge unit transport roller-1		
Bridge unit transport roller-2		
Bridge unit transport roller-3		
Reverse roller		
Bridge unit exit roller-1		
Bridge unit exit roller-2		
Bridge unit transport entrance motor		(M4)
Bridge unit transport exit motor		(M5)
Reverse motor	(M3)	
Duplexing bridge unit	Duplexing unit opening/ closing detection sensor	(S64)
	Reverse path sensor	(S57)
	Duplexing bridge transport roller	
Duplexing unit	Duplexing unit path entrance sensor	(S66)
	Duplexing unit path exit sensor	(S67)
	Duplexing unit interlock switch	(SW4)
	Duplexing unit cover opening/ closing detection sensor	(SW7)
	ADU board	(ADU)
	Reversed paper cooling fan	(F11)
	ADU transport roller-1	
	ADU transport roller-2	
	ADU transport roller-3	
	ADU motor-1	(M7)
	ADU motor-2	(M8)
	Fuser transport sensor	(S65)

3.16.3 Description of Operations

Paper brought from the fuser unit to the bridge unit is then transported to either the upper or lower exit tray of the paper exit unit by means of bridge unit transport rollers-1, -2 and -3, and bridge unit exit rollers-1 and -2. To transport paper to the upper exit tray, transport path switching solenoids-1 (SOL1) and -2 (SOL2) are turned ON in order to lower flappers-1 and -2. To transport it to the lower exit tray, only transport path switching solenoid-1 (SOL1) is turned OFF in order not to lower flapper-1. The paper transported from the bridge unit to the paper exit unit is then made to exit by the upper or lower exit roller.

When the duplex printing mode is selected, first the print data of the back side of the original are printed on the back side of the fed paper, and then the printed paper is transported from the fuser unit to the bridge unit. At this time transport path switching solenoid-1 (SOL1) is turned ON in order to lower flapper-1, and transport path switching solenoid-2 (SOL2) is turned OFF in order not to lower flapper-2, so that the paper will be transported to the reverse path section. When the reverse sensor (S59) of the bridge unit detects the trailing edge of the paper, the reverse roller is driven to switch back the paper to the duplexing unit via the duplexing bridge unit. Then the print data of the front side of the original are printed on the front side of the paper that was transported from the duplexing unit to the registration section. After printing on the both sides of the paper is completed, the paper is made to exit by the bridge unit and the paper exit unit.

Paper jams on the upper transport path are detected by means of the reverse sensor (S59) of the bridge unit and the upper paper exit sensor (S61) of the paper exit unit. Paper jams on the lower transport path are detected by means of the bridge unit path entrance sensor (S55), bridge unit path exit sensor (S56) and lower paper exit sensor (S63). Paper jams on the reverse path are detected by means of the reverse path sensor (S57). The reverse section stationary jam detection sensor (S58) of the bridge unit and another reverse section stationary jam detection sensor (S60) of the paper exit unit detect where the jammed paper lies on the reverse path.

[1] Paper transport paths

1. Upper exit section

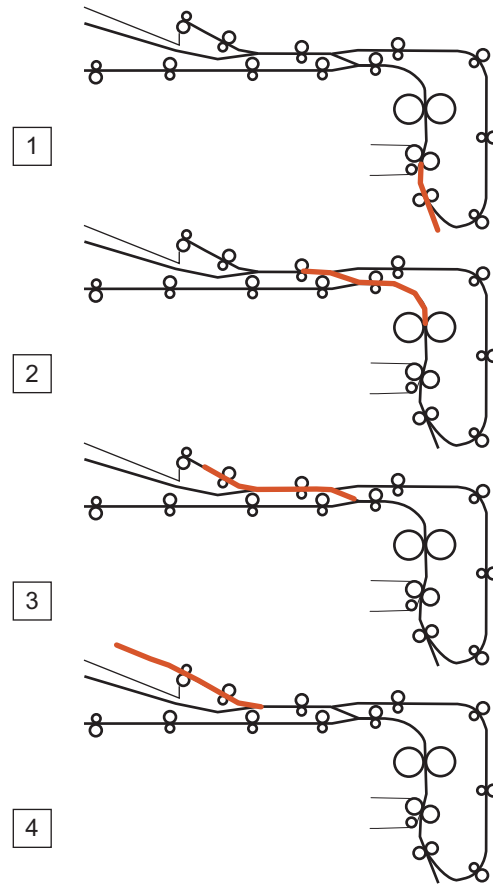


Fig. 3-62

2. Lower exit section

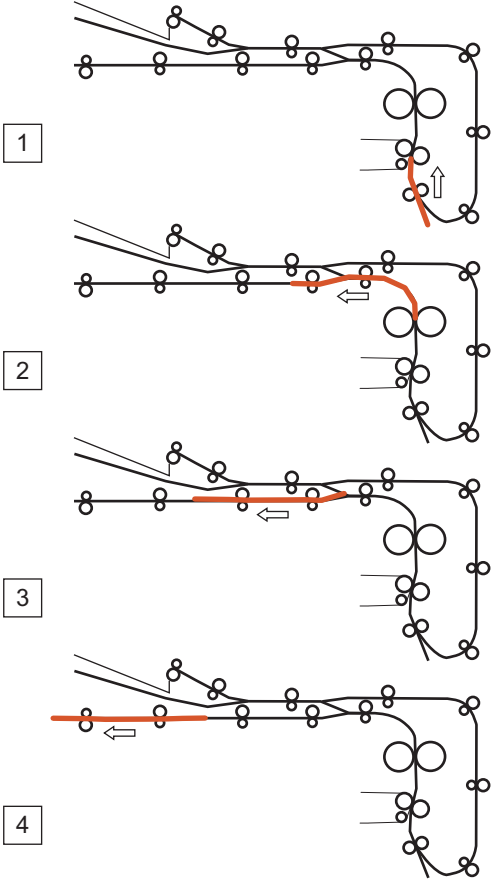


Fig. 3-63

3.17 Reversing Automatic Document Feeder (RADF)

3.17.1 General Description

The Reversing Automatic Document Feeder (RADF) transports original sheets to the RADF original glass and then to the original exit tray after they have been scanned. In scanning double-sided originals, the original is reversed in the exit paper path exclusive to original reversing after the back side has been scanned and then it exits. Therefore the next original can be scanned without waiting for the previous one to exit.

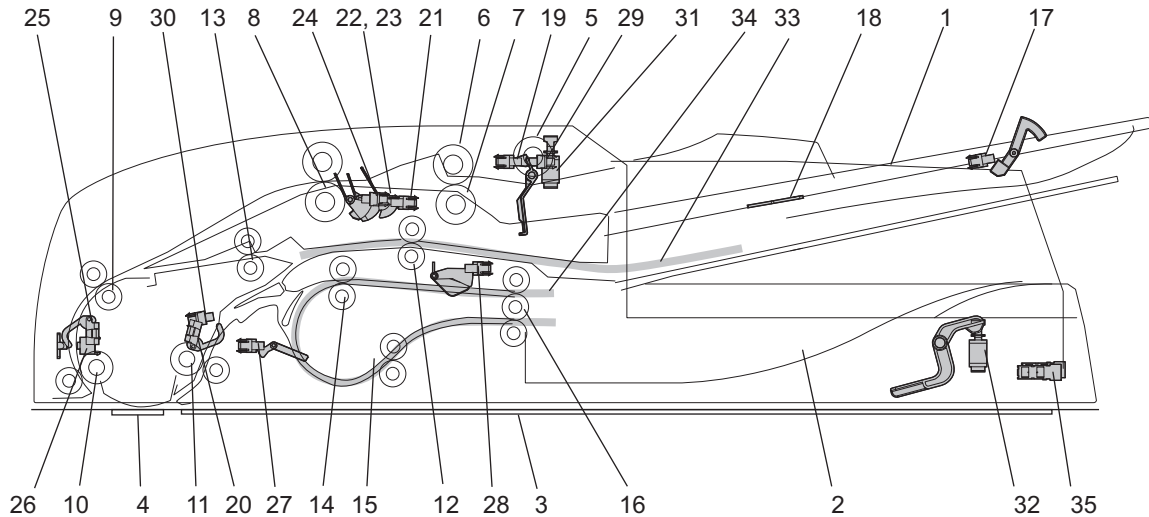


Fig. 3-64

No.	Name	No.	Name
1	Original tray	19	Original empty sensor (SR3)
2	Original exit tray	20	Original reading end sensor (SR4)
3	Original glass	21	Original registration sensor (SR5)
4	RADF original glass	22	Original width detection sensor-1 (SR6)
5	Pickup roller	23	Original width detection sensor-2 (SR7)
6	Feed roller	24	Original width detection sensor-3 (SR8)
7	Separation roller	25	Original intermediate transport sensor (SR9)
8	Original registration roller	26	Original reading start sensor (SR10)
9	Intermediate transport roller	27	Original exit/reverse sensor (SR11)
10	Reading start roller	28	Original exit sensor (SR12)
11	Reading end roller	29	Original jam access cover opening/closing sensor (SR13)
12	Reverse roller	30	Original reverse unit opening/closing sensor (SR14)
13	Reverse registration roller	31	Jam access cover opening/closing switch (SWR1)
14	Exit intermediate roller	32	RADF opening/closing switch (SWR2)
15	Exit/reverse roller	33	Reverse paper path
16	Exit roller	34	Exit paper path
17	Original tray sensor (SR1)	35	RADF opening/closing sensor (SR15)
18	Original tray width sensor (SR2)		

3.17.2 Functions

1. Pickup roller
This roller pulls out the original on the original tray and transports it to the feed roller.
2. Feed roller
This roller is placed against the separation roller. It transports the original sent by the pickup roller.
3. Separation roller
This roller is placed against the feed roller. When two originals or more are transported from the pickup roller, the load of the torque limiter of the separation roller is heavier than the frictional force between the sheets. As a result, the separation roller is stopped and the lower paper is not advanced any further.
4. Registration roller
This roller aligns the sheets sent by the transport roller.
5. Intermediate transport roller / Reading start roller
These rollers transport the original to the RADF original glass.
6. Reading end roller
This roller transports the original scanned at the RADF original glass to the reverse paper path or the exit paper path.
7. Reverse roller
This roller switches back the original during duplex scanning.
8. Reverse registration roller
This roller aligns the original switched back by the reverse roller and transports it to the intermediate transport roller.
9. Exit intermediate roller
This roller transports the original sent from the reading end roller to the exit path and switches it back.
10. Exit/reverse roller
This roller transports the original reversed in the exit path to the exit roller.
11. Exit roller
This roller transports the original to the original exit tray.

3.17.3 Description of Operation

[1] Drive

4 stepping motors are used for driving the Reversing Automatic Document Feeder. Each motor rotates in order to drive the roller.

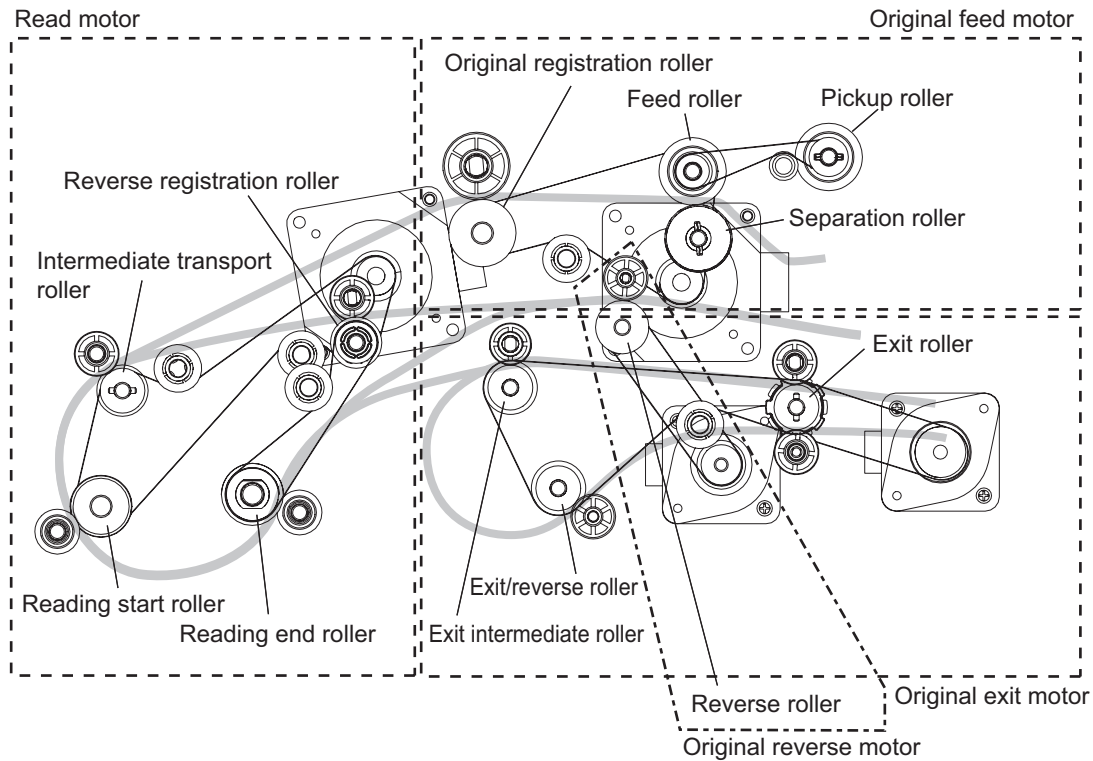


Fig. 3-65

Motor	Rotation	Roller	Remarks
Original feed motor (MR1)	Normal rotation	Pickup roller Feed roller	Feeding
	Reverse rotation	Registration roller	
Read motor (MR2)	Normal rotation	Intermediate transport roller Reading start roller Reading end roller Reverse registration roller	
Original reverse motor (MR3)	Normal rotation / Reverse rotation	Reverse roller	
Original exit motor (MR4)	Normal rotation / Reverse rotation	Exit intermediate roller Exit/reverse roller Exit roller	Normal rotation: Front side exiting Reverse rotation: Backside exiting

[2] Original size detection

The original tray width sensor, original registration sensor, and original width detection sensors-1, -2 and -3 work in combination to detect the size of originals.

[2-1] Outline

When an original is placed on the original tray, the width of the original is detected by the positions of the original width guides. Then the original width sensors -1 and -2 and the original length detection sensor detect the size of the original being transported. Based on the detection result of these sensors, the size of the original is finally determined.

[2-2] Original tray width sensor

The original tray width sensor detects the width of an original placed on the original tray.

It is detected by the brush attached to the rack moving on the original tray width sensor, which is a board with the different length of the patterns written.

This brush is moved as the original width guide is moved. Signals (TWID0S, TWID1S, TWID2S) are opened and shorted to SG by this movement.

The combination of these short (= low level) and open (= high level) can determine the width of the original.

Sizes detectable in combination of these open and short of the signals are as follows:

TWID2S	TWID1S	TWID0S	Original width size (LT series)	Original width size (A4 series)
H	H	L	-	B5-R
H	L	H	ST-R	A5-R
H	L	L	LD / LT	A3 / A4
L	H	L	8.5x8.5 / LT-R / LG / 13"LG	A4-R / FOLIO
L	L	L	COMPUTER	B4 / B5

H (= high level): Open

L (= low level): Short

[2-3] Original width detection sensors-1, -2 and -3 / Original registration sensor

The size of the original is determined by the detection performed in combination of the original width detection sensors-1, -2 and -3 and the original registration sensor, as well as the detection performed by the original tray width sensor.

Sizes detectable in combination of these sensors are as follows:

A4series: (08-9000: 0 or 2)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
-	-	ON	ON	ON	ON	A3
-	-		ON	ON	OFF	LD
B5/B4	-		ON	OFF	OFF	B4
-A4-R/FOLIO	ON		ON	OFF	OFF	FOLIO
	OFF		ON	OFF	OFF	A4-R
-	-	OFF	OFF	OFF	OFF	B5-R
-	-	OFF	ON	ON	ON	A4
-	-		ON	ON	OFF	LT
-	-		ON	OFF	OFF	B5
-	-		OFF	OFF	OFF	A5-R

A4 series (width sizes mixed at A3 / A4 standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
A3/A4	-	ON	ON	ON	-	A3
	-		ON	OFF	-	B4
	-		OFF	OFF	-	A4-R/FOLIO
	-	OFF	ON	ON	-	A4
	-		ON	OFF	-	B5

A4 series (width sizes mixed at B4 / B5 standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
B4/B5	-	ON	ON	OFF	-	B4
	-		OFF	OFF	-	A4-R/FOLIO
	-	OFF	ON	OFF	-	B5
	-		OFF	OFF	-	A5-R

A4 series (width sizes mixed at A4-R standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
A4-R	-	ON	ON	OFF	-	A4-R/FOLIO
	-		OFF	OFF	-	B5-R
	-	OFF	OFF	OFF	-	A5-R

A4 series (width sizes mixed at B5-R standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
B5-R	-	ON	OFF	OFF	-	B5-R
	-	OFF	OFF	OFF	-	A5-R

LT series (08-9000:1)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
-	-	ON	ON	ON	ON	A3
-	-		ON	ON	OFF	LD
COMP	-		ON	OFF	OFF	COMP
-	ON		ON	OFF	OFF	LG
LT-R/LG	OFF		ON	OFF	OFF	LT-R
-	-	OFF	ON	ON	ON	A4
-	-		ON	ON	OFF	LT
-	-		ON	OFF	OFF	8.5x8.5
-	-		OFF	OFF	OFF	ST-R

LT series (width sizes mixed at LD / LT standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
LD/LT	-	ON	ON	ON	-	LD
	-		ON	OFF	-	COMP
	-		OFF	OFF	-	LT-R/LG
	-	OFF	ON	ON	-	LT

LT series (width sizes mixed at COMP standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
COMP	-	ON	ON	OFF	-	COMP
	-		OFF	OFF	-	LT-R/LG
	-	OFF	OFF	OFF	-	ST-R

LT series (width sizes mixed at LG / LT-R standard)

Original tray width sensor	Original tray sensor	Original registration sensor	Original width detection sensor-1	Original width detection sensor-2	Original width detection sensor-3	Size determined
LG/LT-R	-	ON	ON	OFF	-	LT-R/LG
	-	OFF	ON	OFF	-	8.5x8.5
	-		OFF	OFF	-	ST-R

3.18 Power Supply Unit

3.18.1 General Description

The power supply unit consists of the AC filter, insulation type DC output circuits and heater lamp control circuit.

Notes:

In a model with 2 power cables, the total current capacity to be used should not exceed the breaker rating.

3.18.2 Composition

[1] Description of Operations

1. AC filter
Eliminates noise from the outside and prevents the noise generated by the equipment from leaking to the outside.
2. DC output circuits
Converts AC voltage input from outside to DC voltage and supplies it to each electric part. The DC voltage is divided into the following two lines.
 - a. Main power switch line: Power supply used in the entire equipment during image forming process. Two kinds of voltage (+5.1 V and +12V) are output when the main power switch of the equipment is turned ON.
 - b. Cover switch line: Power supply used in the entire equipment during image forming process, being supplied via the cover switch. Two kinds of voltage (+5.1VD and +24VD) are output only when the main power switch of the equipment is turned ON and two covers (front cover and automatic duplexing unit) are closed.
3. Heater lamp control circuit
TRC (Triac) is driven by the control signal from the LGC board and then AC power is supplied to each heater lamp in the pressure roller.

3.18.3 Operation of DC Output Circuits

1. Starting operation of the equipment

When the main power switch of the equipment is turned ON, power starts supplying to all the lines only when two doors (front cover and ADU) are closed

2. Stopping line output

When the main power switch of the equipment is turned OFF, PWR-DN signal is output after the instantaneous outage insurance time elapses and then the supply of each voltage stops. If the supply of voltage of the main line (+5VS, +5VA, +12VA) stops earlier than the 24V line does, it may cause the damage of the electron device on each control circuit. To prevent this, the supply of these voltages stops after the PWR-DN signal is output and the minimum retaining time elapses.

3. Output protection

Each output system includes an overcurrent and overvoltage protection circuits (a fuse and internal protection circuit). This is to prevent the defectives (damage or abnormal operation of the secondary circuit) which may be caused by an overcurrent due to a short circuit or an overvoltage due to a short circuit between different voltages. If the protection circuit is activated (except the case the fuse is blown out), remove the causes such as short-circuit. Turn ON the power again to clear the overcurrent protection.

4. Recovering from super sleep mode (normal starting))

When the [ON/OFF] button on the control panel is pressed during the super sleep mode, a super sleep mode shifting/recovering signal (SYS-EN) is output from the SYS board and then voltage starts being supplied to all the lines, if no error was detected.

5. Shifting to super sleep mode (normal stopping)

When the [ON/OFF] button on the control panel is pressed for 1 second or more while the main power switch of the equipment is toggled ON, a super sleep mode shifting/recovering signal (SYS-EN) is output from the SYS board after the initialization is finished and then all lines for output voltage except +5VS are closed.

The Super sleep mode is disabled under the following conditions.

- When the Super sleep mode is set to be disabled on the control panel, TopAccess and with the code 08-8543
- When the Wireless LAN Module, Bluetooth Module, e-BRIDGE ID Gate or Data Overwrite Enabler is installed, or when the IPsec Enabler is installed and its function is set to be enabled
- When operation is being performed in the self-diagnosis mode (Disabled until the main power switch is turned OFF)

6. State of the power supply

- Power OFF
The main power switch of the equipment is turned OFF. Since DC voltage is not supplied to each board, the equipment is not operable.
- Normal state (including Energy saving mode)
The main power switch of the equipment is turned ON and DC voltage is supplied to each board. When the cover of the equipment is closed, 24V DC voltage is supplied and the equipment enters into the ready/printing state.
- Sleep mode
Since +5VB, +5VD, +12VB and +24V DC voltages are not supplied but +12VA, +5VA and +5VS DC voltages only, the equipment does not enter into the ready state.

- Super Sleep mode
Only DC voltage and +5VS are output from the power supply unit. The [ON/OFF] button is monitored and the LED of the main power switch is lit.

3.18.4 Output Channel

The following are 2 output channels for the main power switch line.

1. +5.1 V

- +5.1VS: CN402 Pin 7, Pin 8
Output to the SYS board
- +5.1VA: CN402 Pins 12, 13 and 14
Output to the SYS board
- +5.1VB: CN402 Pins 20
Output to the SYS board
- +5.1VB: CN403 Pins 2 and 3
Output to the IMG board
- +5.1VB: CN404 Pin 1
Output to the LGC, PFP/LCF (via LGC board)
- +5.1VB: CN405 Pin 1
Output to the LGC board
- +5.1VB: CN406 Pin 4
Output to the Finisher
- +5.1VB: CN407 Pins 1 and 2
Output to the SLG board and RADF

2. +12 V

- +12VA: CN402 Pins 17 and 18
Output to the SYS board
- +12VB: CN402 Pin 18
Output to the SYS board
- +12VB: CN404 Pin 7
Output to the LGC board
- +12VB: CN407 Pin 14
Output to the SLG board

The following are 2 output channels for the cover switch line.

1. +5.1 V

- +5.1VD: CN405 Pin 4
Output to the LGC board

2. +24 V

- +24VD1: CN405 Pin 5
Output to the LGC board
- +24VD2: CN405 Pin 6
Output to the LGC board, PFC board (via LGC board),
high-voltage transformer (via LGC board)
- +24VD3: CN405 Pins 7
Output to the PFC board (via LGC board)
- +24VD4: CN406 Pin 2
Output to the Finisher
- +24VD5: CN407 Pins 9, 10, 11 and 12
Output to the SLG board, RADF

Output voltage by the type of connector

Main power switch line

Connector	Destination	Voltage
CN402	For the SYS board	+5.1VA, +5.1VB, +5.1VS, +12VA
CN403	For the IMG board	+5.1VB
CN404	For the LGC board, LCF (Option: via LGC board)	+5.1VB, +12VB
CN405	For the LGC board	+5.1VB
CN406	For the Finisher (Option)	+5.1VB
CN407	For the SLG board, RADF	+5.1V, +12VB

Cover switch line

Connector	Destination	Voltage
CN405	For the LGC board, LCF (Option: via LGC board),	+5.1VD, +24VD1, +24VD2, +24VD3
CN406	For the Finisher (Option)	+24VD4
CN407	For the SLG, RADF	+24VD5

AC line

Connector	Destination	Voltage
CN401	AC input	-
CN408	Heater lamp	Lamp output

3.18.5 Fuse

When the power supply secondary fuse is blown out, confirm that there is no abnormality with each part using the following table.

Voltage	Board/Unit	Part		Fuse type
+24VD1	LGC board	Fuser motor	M6	F201: 8 A (Semi time-lag)
		2nd transfer cam motor	M48	
		Transfer belt cam motor	M14	
		Toner motor-K	M15	
		Toner motor-C	M16	
		Toner motor-M	M17	
		Toner motor-Y	M18	
		Drum motor-K	M27	
		Drum motor-YMC	M28	
		Developer unit motor-K	M29	
		Developer unit mixer motor-K	M30	
		Developer unit motor-YMC	M31	
		Developer unit mixer motor-YMC	M32	
		Pressure roller contact/release clutch	CLT1	
		Discharge LED-Y	ERS-Y	
		Discharge LED-M	ERS-M	
		Discharge LED-C	ERS-C	
		Discharge LED-K	ERS-K	
		Key copy counter, copy key card, coin controller		

Voltage	Board/Unit	Part		Fuse type
+24VD2	LGC board	Sub-hopper toner motor-K	M19	F202: 8 A (Semi time-lag)
		Sub-hopper toner motor-C	M20	
		Sub-hopper toner motor-M	M21	
		Sub-hopper toner motor-Y	M22	
		Needle electrode cleaner motor-K	M23	
		Needle electrode cleaner motor-C	M24	
		Needle electrode cleaner motor-M	M25	
		Needle electrode cleaner motor-Y	M26	
		Waste toner transport motor	M33	
		Polygonal motor	M34	
		Mirror motor-M	M35	
		Mirror motor-C	M36	
		Mirror motor-K	M37	
		Shutter motor	M38	
		Auto-toner sensor-K	S26	
		Auto-toner sensor-C	S27	
		Auto-toner sensor-M	S28	
		Auto-toner sensor-Y	S29	
		Drum surface potential (V0) sensor-K (e-STUDIO6550C/6570C only)	S34	
		Image quality shutter solenoid	SOL3	
		V0 sensor shutter solenoid-K (e-STUDIO6550C/6570C only)	SOL4	
		IH board cooling fan-1	F8	
		IH board cooling fan-2	F9	
		EPU cooling fan	F14	
		Toner cartridge heat insulation fan	F21	
		Laser optical unit cooling fan (Front)	F22	
		Laser optical unit cooling fan (Rear)	F23	
		Ozone suctioning fan	F24	
		Scattered toner suctioning fan	F25	
		Toner cooling exhaust fan	F31	
		Lower exit section cooling fan-3	F36	
		High-voltage transformer-1	HVT1	
		High-voltage transformer-2	HVT2	
		PFC board	Tray-up motor-1	
	3rd drawer transport clutch		CLT4	
	3rd drawer feed clutch		CLT5	
	4th drawer transport clutch		CLT6	
	4th drawer feed clutch		CLT7	
	Bridge unit cooling fan (rear)		F7	
	Exit paper cooling fan (rear)		F15	
	Upper exhaust fan (left)		F29	
	Upper exhaust fan (right)		F30	
	Tandem LCF solenoid		SOL9	
	Stopper opening/closing solenoid (front)		SOL10	
	Stopper opening/closing solenoid (rear)		SOL11	

Voltage	Board/Unit	Part		Fuse type
+24VD3	PFC board	Exit motor	M2	F203: 8 A (Semi time-lag)
		Reverse motor	M3	
		Bridge unit transport entrance motor	M4	
		Bridge unit transport exit motor	M5	
		ADU motor-1	M7	
		ADU motor-2	M8	
		TRU waste toner motor	M10	
		TRU waste toner transport motor	M11	
		Bypass motor	M12	
		Transfer belt motor	M13	
		Registration motor	M39	
		Transport motor-1	M40	
		Transport motor-2	M41	
		Feed motor	M42	
		Feed/transport motor	M43	
		Tray-up motor-2	M45	
		Tandem LCF tray-up motor	M46	
		Tandem LCF end fence motor	M47	
		Transport path switching solenoid-1	SOL1	
		Transport path switching solenoid-2	SOL2	
		Bypass pickup solenoid	SOL8	
		Exit paper cooling fan (front)	F5	
		Bridge unit cooling fan (front)	F6	
		Reversed paper cooling fan	F11	
		Upper exit section cooling fan-1	F32	
		Upper exit section cooling fan-2	F33	
Lower exit section cooling fan-1	F34			
Lower exit section cooling fan-2	F35			
+24VD4	Finisher			F204: 8 A (Semi time-lag)
+24VD5	SLG board			F205: 8 A (Semi time-lag)
	RADF			
+5VB	LGC board			F210: 5 A (Semi time-lag)
+5VS	SYS board, Control panel			F211: 2.5 A (PolySwitch)

4. DISASSEMBLY and REPLACEMENT

4.1 Disassembly and Replacement of Covers

4.1.1 Front lower cover

- (1) Pull out the 1st drawer.
- (2) Loosen 2 screws.
- (3) Take off the front lower cover.

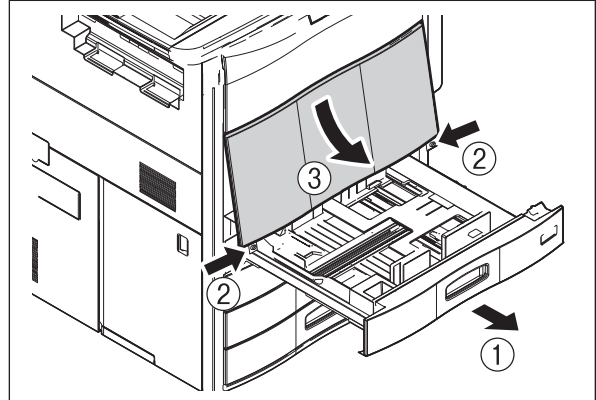



Fig. 4-1

4.1.2 Front cover

- (1) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"
- (2) Open the front cover.
- (3) Remove 2 screws and take off the cover support.
- (4) Remove 1 clip.
- (5) Lift up the supporting point of the left side hinge and move the front cover to the right side to take it off.

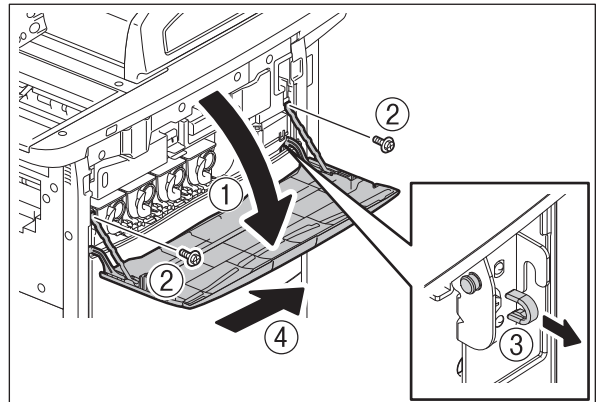


Fig. 4-2

4.1.3 Top right cover

- (1) Remove 3 screws and take off the top right cover.

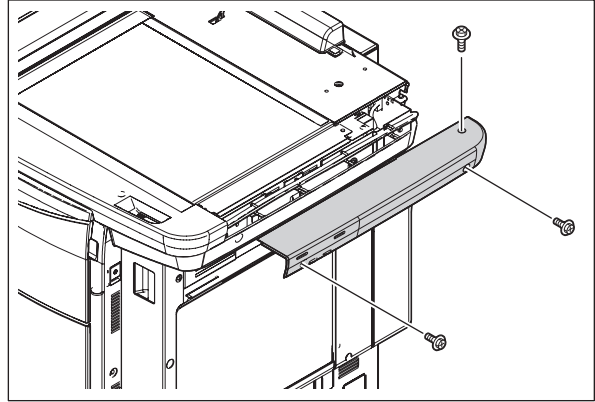


Fig. 4-3

4.1.4 Right top cover

- (1) Take off the top right cover.
📖 P. 4-2"4.1.3 Top right cover"
- (2) Open the duplexing unit.
- (3) Remove 2 screws and take off the right top cover.

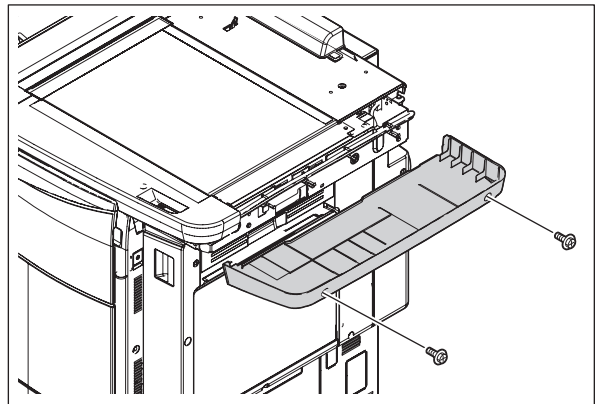


Fig. 4-4

4.1.5 Top front cover

- (1) Take off the right top cover.
📖 P. 4-2"4.1.4 Right top cover"
- (2) Open the front cover.
- (3) Remove 3 screws and take off the top front cover.

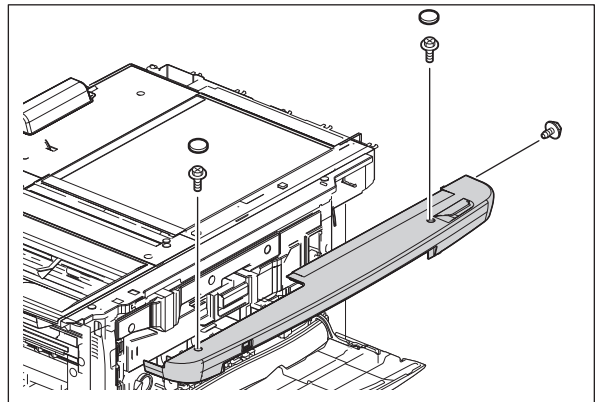


Fig. 4-5

4.1.6 Top left cover

- (1) Remove 2 screws and take off the filter cover and top left cover.

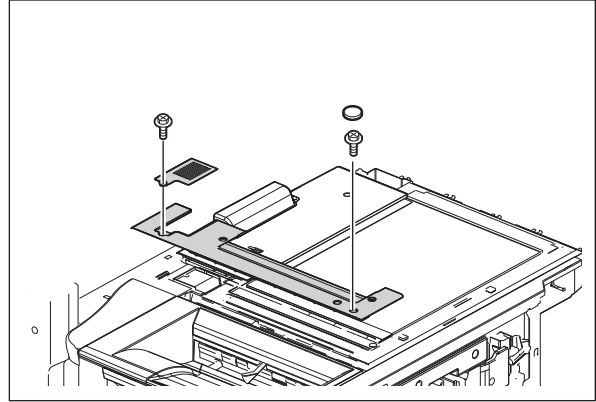


Fig. 4-6

4.1.7 FAX cover

- (1) Remove 1 screw and take off the FAX cover.

Notes:

When the optional FAX Unit (GD-1270) has been installed, take off the modular cable cover before the FAX cover.

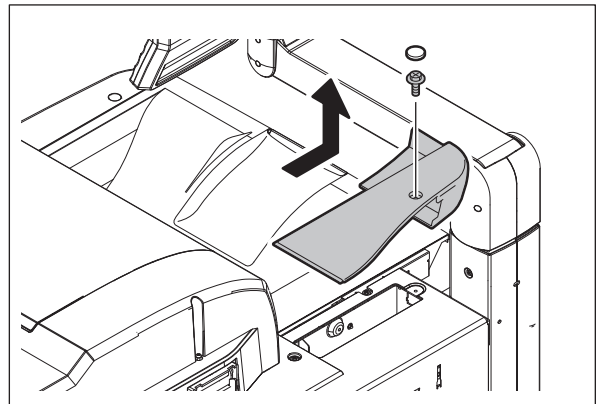


Fig. 4-7

4.1.8 Receiving tray

- (1) Take off the top front cover.
P. 4-2"4.1.5 Top front cover"
- (2) Take off the top left cover.
P. 4-3"4.1.6 Top left cover"
- (3) Take off the FAX cover.
P. 4-3"4.1.7 FAX cover"
- (4) Open the reverse path cover.
- (5) Remove 2 screws and take off the receiving tray.

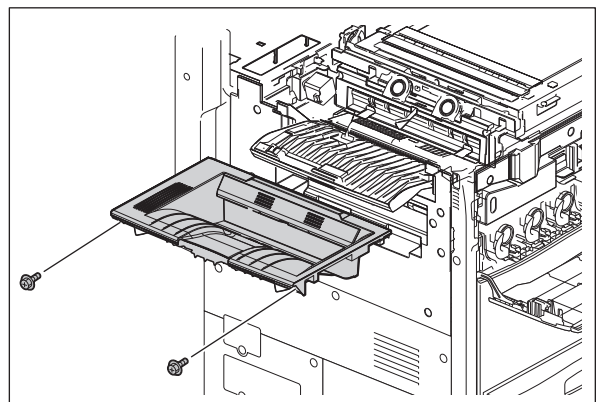


Fig. 4-8

4.1.9 Left middle cover

- (1) Take off the rear cover.
📖 P. 4-7"4.1.18 Rear cover"
 - (2) Remove 1 shield seal.
 - (3) Remove 3 screws to take off the left middle cover.
- When installing the left middle cover, be sure to attach the shield seal back in its original position.

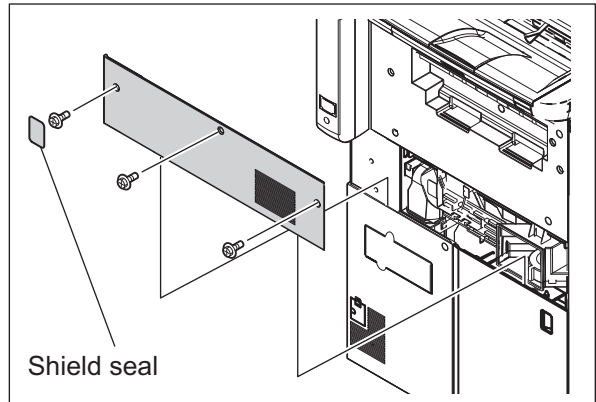


Fig. 4-9

4.1.10 Left top cover

- (1) Take off the receiving tray.
📖 P. 4-3"4.1.8 Receiving tray"
- (2) Take off the left middle cover.
📖 P. 4-4"4.1.9 Left middle cover"
- (3) Remove 2 screws and take off the fan cover.
- (4) Remove 6 screws and take off the left top cover.

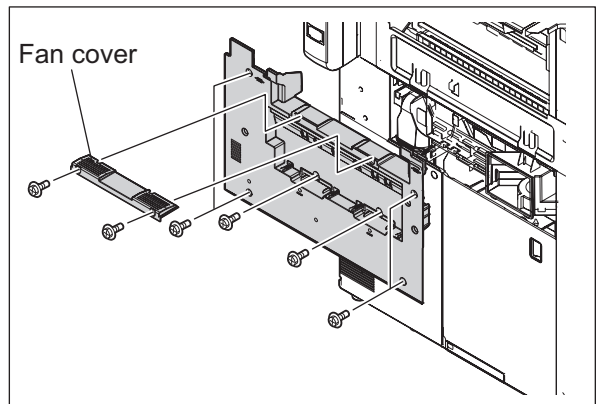


Fig. 4-10

4.1.11 Left lower cover

- (1) Remove 2 screws and take off the filter cover.
- (2) Remove 1 screw and take off the left lower cover.

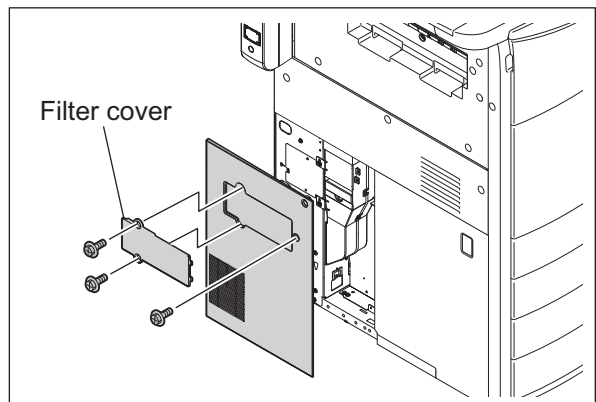


Fig. 4-11

4.1.12 Bypass tray unit (Removing tray arm)

- (1) Secure the sliding section of the tray arm, and then remove the tray arm by pulling its joint up.
The tray can be easily taken out by lifting up its leading edge with the sliding section secured.

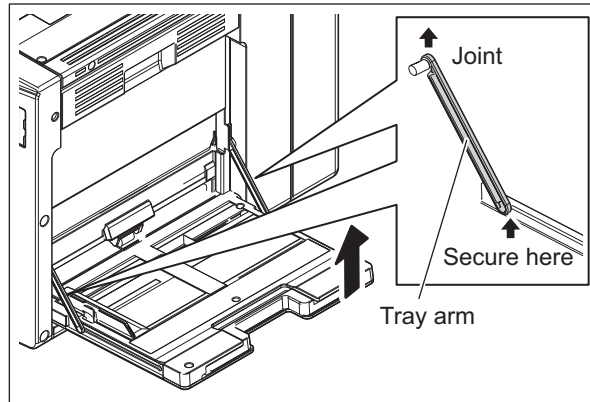



Fig. 4-12

4.1.13 Duplexing unit front cover

- (1) Open the duplexing unit.
- (2) Remove the tray arms.
 P. 4-5"4.1.12 Bypass tray unit (Removing tray arm)"
- (3) Remove 3 screws and take off the duplexing unit front cover.

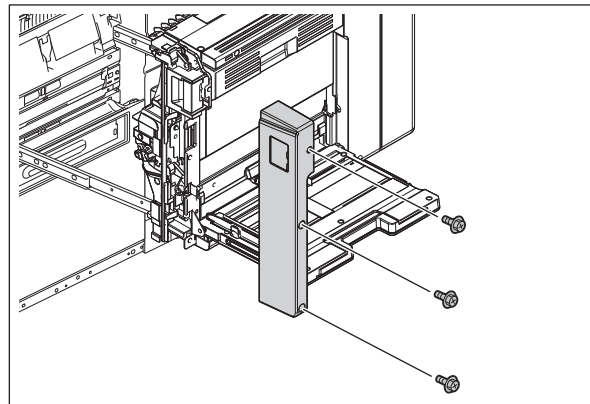



Fig. 4-13

4.1.14 Duplexing unit rear cover

- (1) Open the duplexing unit.
- (2) Remove the tray arms.
 P. 4-5"4.1.12 Bypass tray unit (Removing tray arm)"
- (3) Remove 3 screws and take off the duplexing unit rear cover.

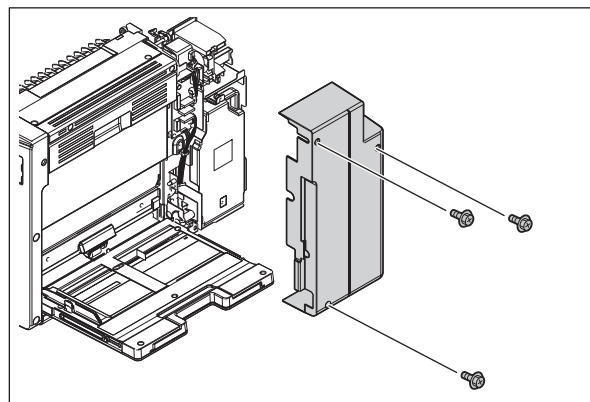


Fig. 4-14

4.1.15 Paper feed cover

- (1) Open the duplexing unit.
- (2) Open the paper feed cover.
- (3) Remove 1 clip to take off the paper feed cover.

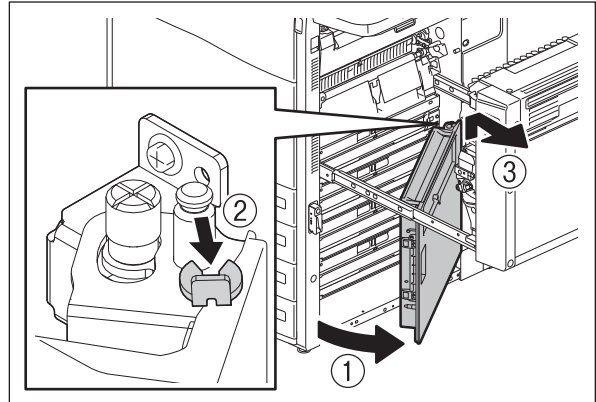


Fig. 4-15

4.1.16 RADF connector cover

- (1) Remove 1 screw and take off the RADF connector cover.

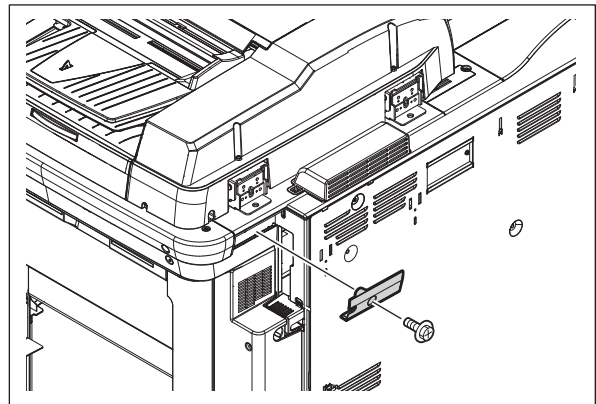


Fig. 4-16

4.1.17 Right rear cover

- (1) Take off the right top cover.
P. 4-2"4.1.4 Right top cover"
- (2) Take off the RADF connector cover.
P. 4-6"4.1.16 RADF connector cover"
- (3) Take off the LAN cable cover.
- (4) Remove 1 screw and take off the filter cover.
- (5) Remove 3 screws and take off the right rear cover.

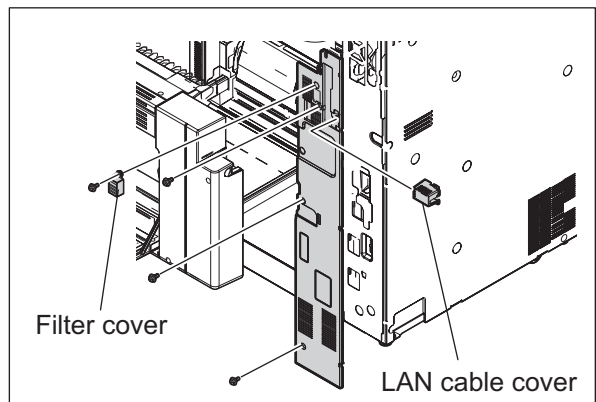


Fig. 4-17

4.1.18 Rear cover

- (1) Remove 10 screws and take off the rear cover.

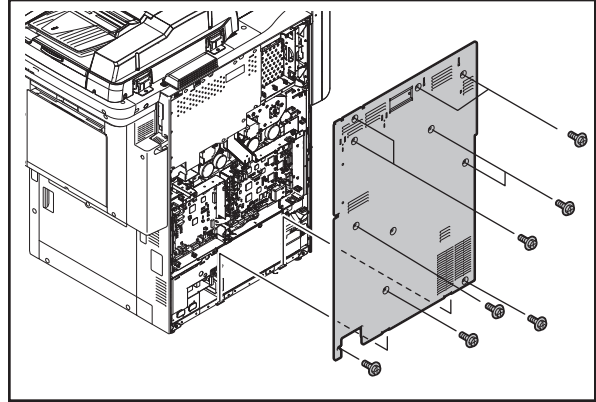


Fig. 4-18

4.1.19 Upper exhaust fan cover

- (1) Remove 1 screw and take off the upper exhaust fan cover.

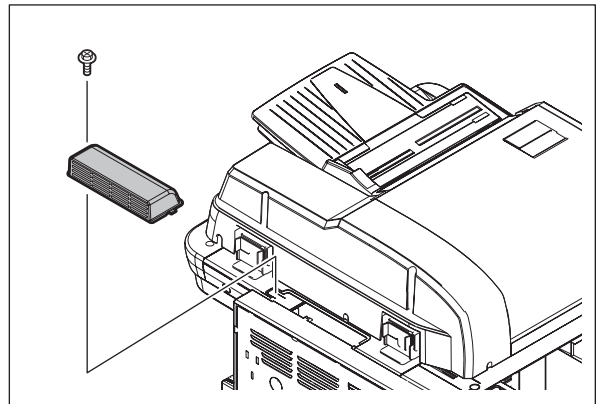


Fig. 4-19

4.1.20 Top rear cover

- (1) Take off the RADF.
P. 4-256 "4.11.1 RADF"
- (2) Take off the top left cover.
P. 4-3 "4.1.6 Top left cover"
- (3) Take off the upper exhaust fan cover.
P. 4-7 "4.1.19 Upper exhaust fan cover"
- (4) Remove 2 screws and take off the top rear cover.

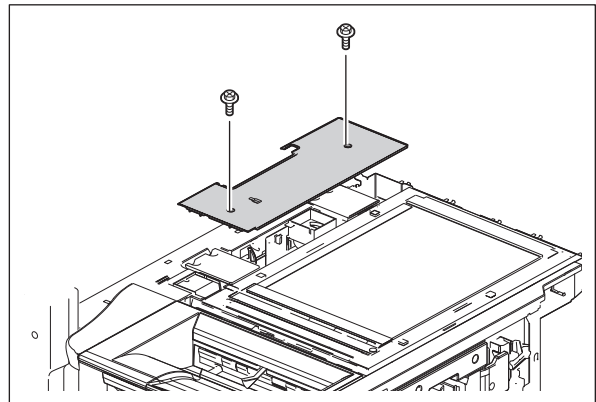



Fig. 4-20

4.1.21 Left corner cover

- (1) Take off the top right cover.
 P. 4-2"4.1.3 Top right cover"
- (2) Pull out all the drawers.
- (3) Open the front cover.
- (4) Remove 2 screws and take off the left corner cover.

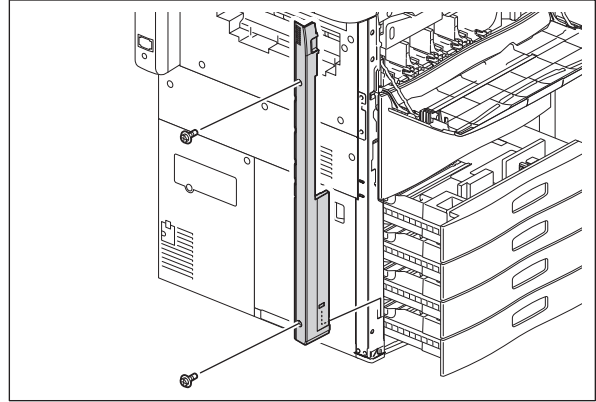




Fig. 4-21

4.1.22 Right corner cover

- (1) Pull out all the drawers.
- (2) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"
- (3) Open the front cover.
- (4) Take off the right top cover.
 P. 4-2"4.1.4 Right top cover"
- (5) Open the paper feed cover.
- (6) Remove 2 screws and take off the right corner cover.

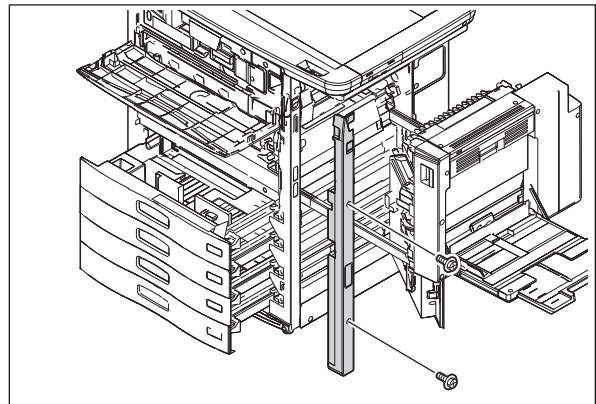


Fig. 4-22

4.2 Control Panel

4.2.1 Control panel unit

- (1) Release 4 latches and then take off the control panel hinge cover.

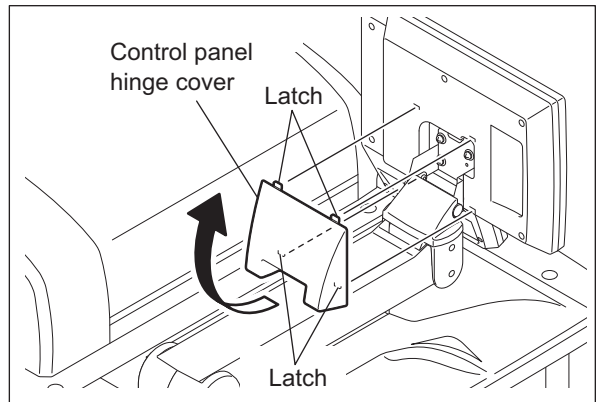


Fig. 4-23

- (2) Disconnect 1 connector and release 1 clamp.

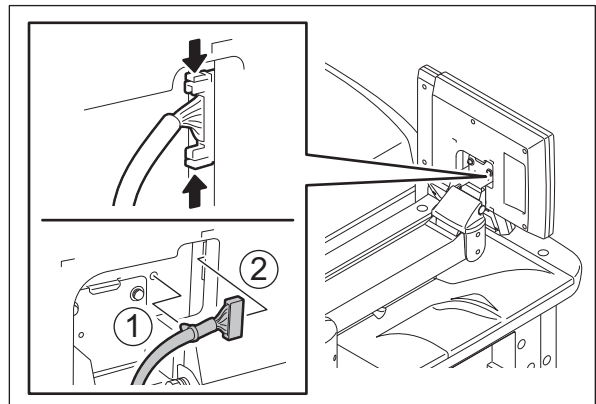


Fig. 4-24

- (3) Remove 4 screws.
- (4) Take off the control panel unit by lifting it up.

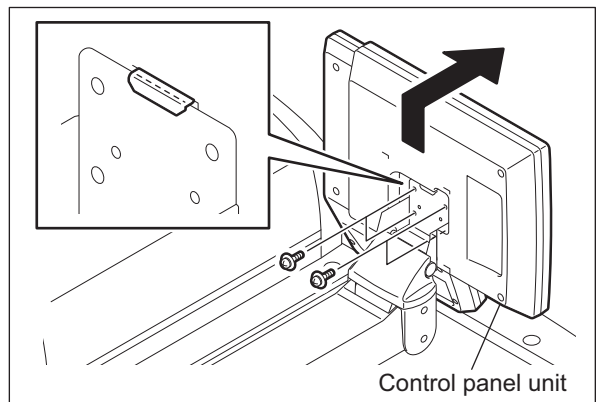


Fig. 4-25

4.2.2 Control panel rear cover

- (1) Take off the control panel unit.
📖 P. 4-9"4.2.1 Control panel unit"
- (2) Remove 8 screws and then take off the control panel rear cover.

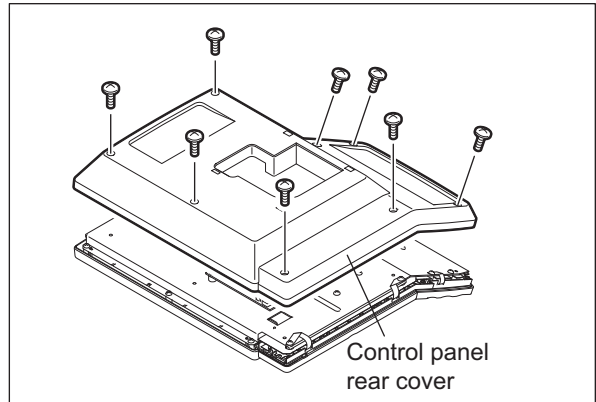


Fig. 4-26

4.2.3 Display PC board (DSP)

- (1) Take off the control panel rear cover.
📖 P. 4-10"4.2.2 Control panel rear cover"
- (2) Disconnect 4 connectors.

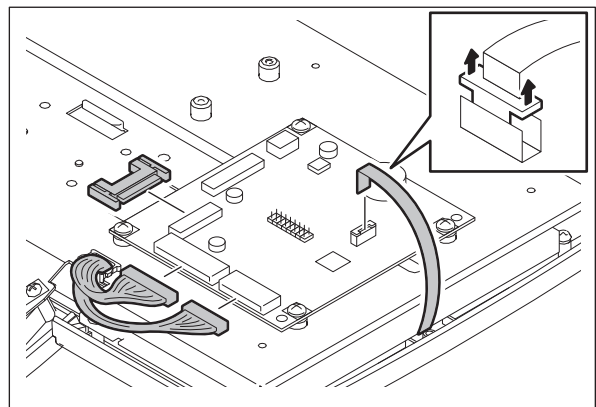


Fig. 4-27

- (3) Remove 4 screws and then take off the display PC board.

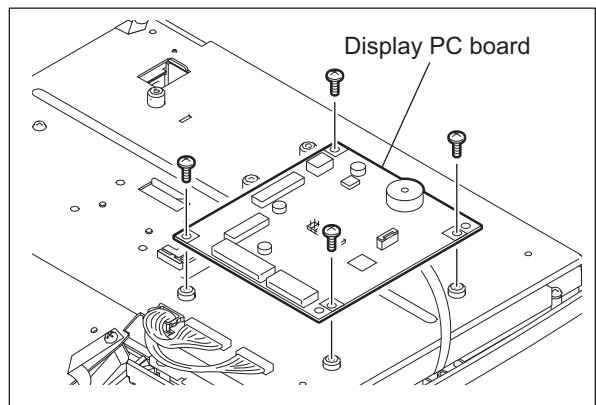


Fig. 4-28

4.2.4 Shielding plate

- (1) Disconnect 4 connectors.

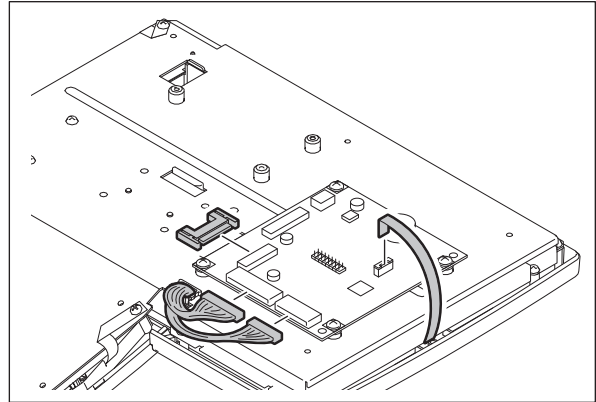


Fig. 4-29

- (2) Release the harness from 1 harness clamp.

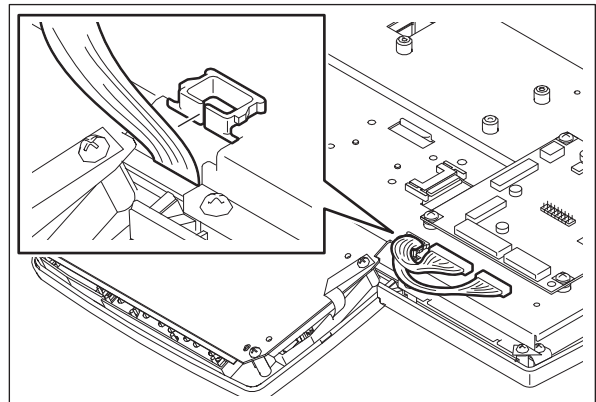


Fig. 4-30

- (3) Remove 5 screws.

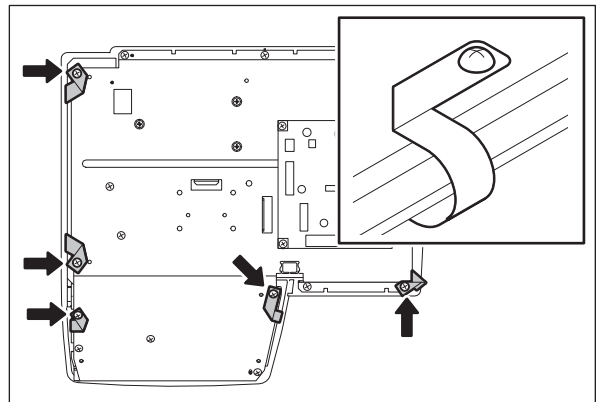


Fig. 4-31

(4) Remove 9 screws.

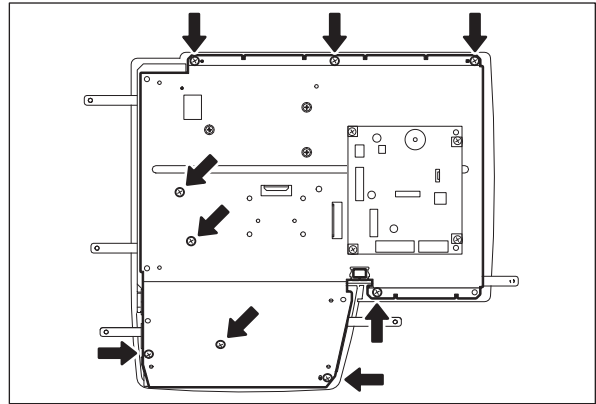


Fig. 4-32

(5) Release the harness clamp from 1 harness clamp and take off the shielding bracket.

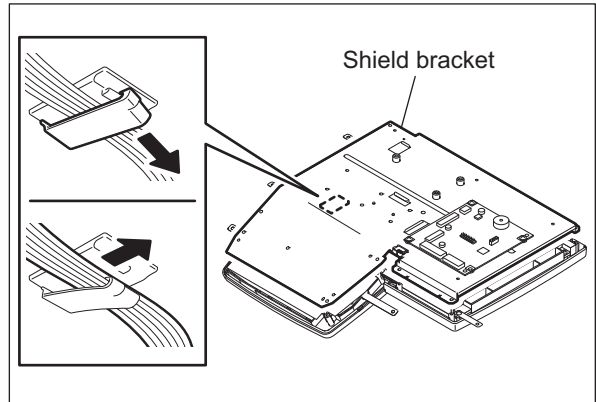


Fig. 4-33

Notes:

When installing the shield bracket, pass the harness through its hole.

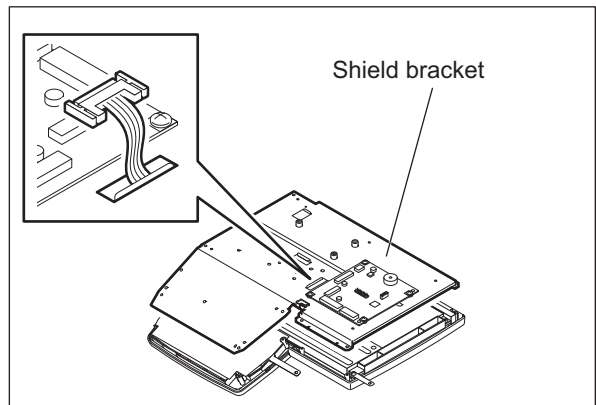



Fig. 4-34

4.2.5 Key PC board-1 (KEY1)

- (1) Take off the shielding plate.
 P. 4-11"4.2.4 Shielding plate"
- (2) Remove a sheet.
- (3) Remove 9 screws and then take off the key PC board-1.

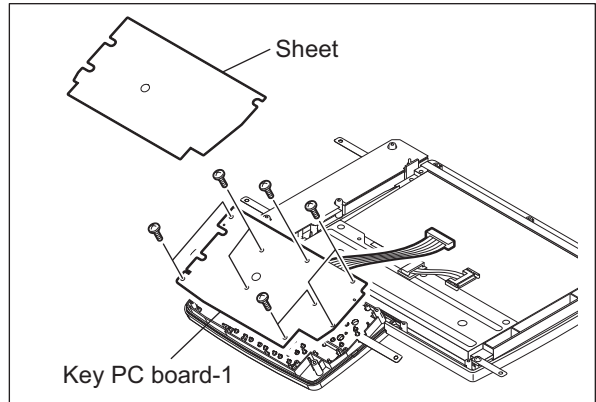



Fig. 4-35

4.2.6 Key PC board-2 (KEY2)

- (1) Take off the shielding plate.
 P. 4-11"4.2.4 Shielding plate"
- (2) Remove a sheet.
- (3) Remove 6 screws and then take off the key PC board-2.

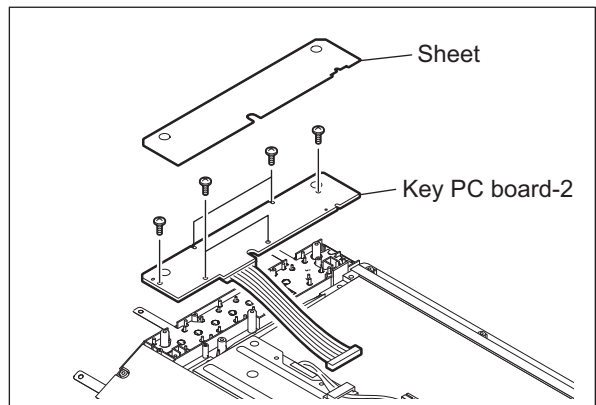



Fig. 4-36

4.2.7 Touch panel (TCP)

- (1) Take off the shielding plate.
 P. 4-11"4.2.4 Shielding plate"
- (2) Remove 4 screws and then take off the touch panel.

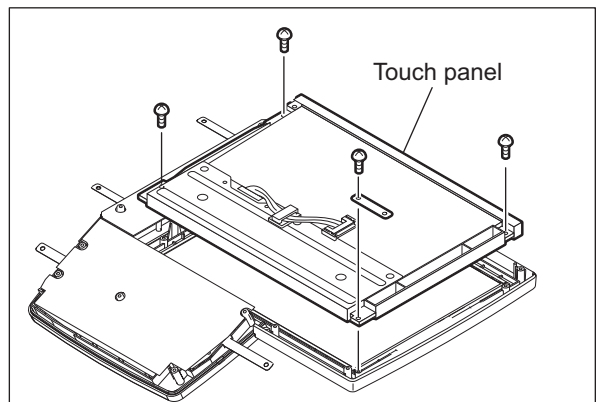


Fig. 4-37

4.2.8 Control panel cover

- (1) Release 4 latches and then take off the control panel cover.

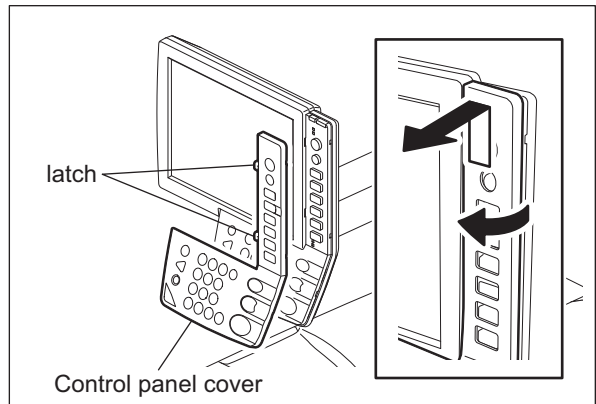



Fig. 4-38

4.3 Scanner

4.3.1 Original glass

- (1) Open the RADF.
- (2) Take off the top front cover.
 P. 4-2"4.1.5 Top front cover"
- (3) Remove 1 screw and take off the bracket.

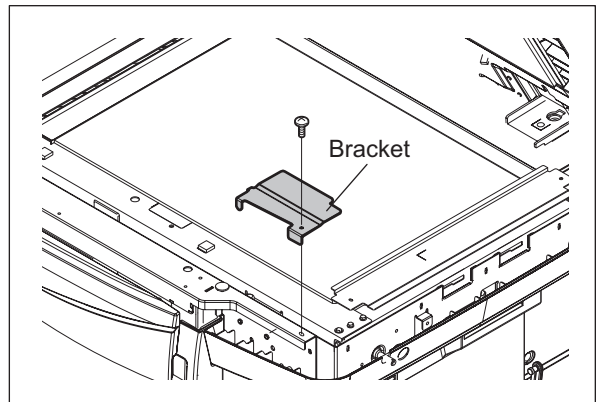


Fig. 4-39

- (4) Remove 2 screws and take off the fixing bracket.

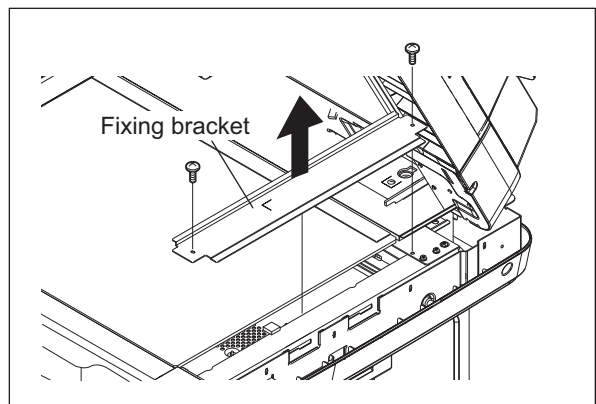


Fig. 4-40

- (5) Take off the original glass.

Notes:

When installing, fit 2 small protrusions of the original glass in the groove of the equipment and fix the original glass with the fixing bracket by pushing it to the left rear direction.

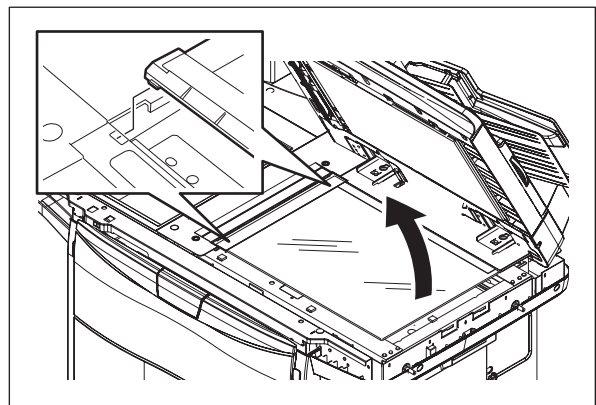


Fig. 4-41

4.3.2 Lens cover

- (1) Take off the original glass.
📖 P. 4-15"4.3.1 Original glass"
- (2) Release 1 clamp and disconnect 1 connector.

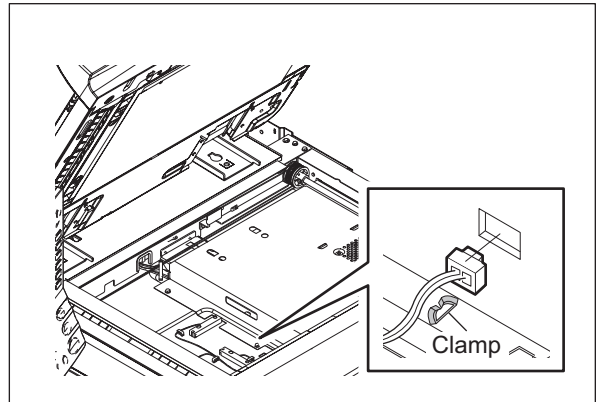


Fig. 4-42

- (3) Remove 5 screws and take off the lens cover.

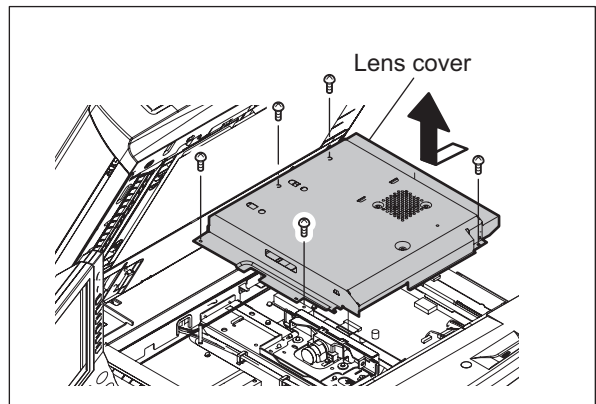


Fig. 4-43

4.3.3 SLG board cooling fan (F1)

- (1) Take off the lens cover.
📖 P. 4-16"4.3.2 Lens cover"
- (2) Remove 2 screws and disconnect 1 connector.
- (3) Take off the SLG board cooling fan.

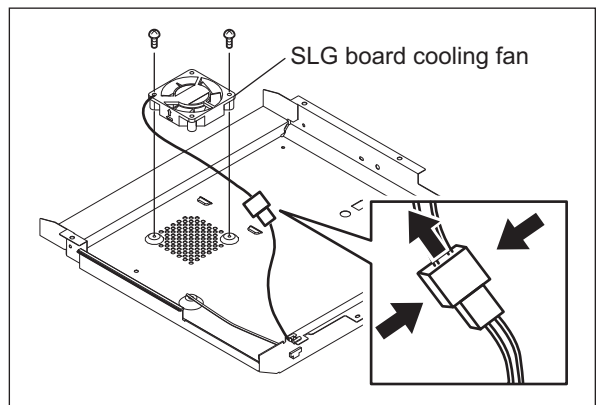


Fig. 4-44

4.3.4 Automatic original detection sensor <APS sensor> (S1-5)

[A] A4 series (APS-1, -2, -3, -C, -R)

- (1) Take off the original glass.
📖 P. 4-15"4.3.1 Original glass"
- (2) Take off the lens cover.
📖 P. 4-16"4.3.2 Lens cover"
- (3) Disconnect 1 connector, remove 1 screw and take off the APS sensor.

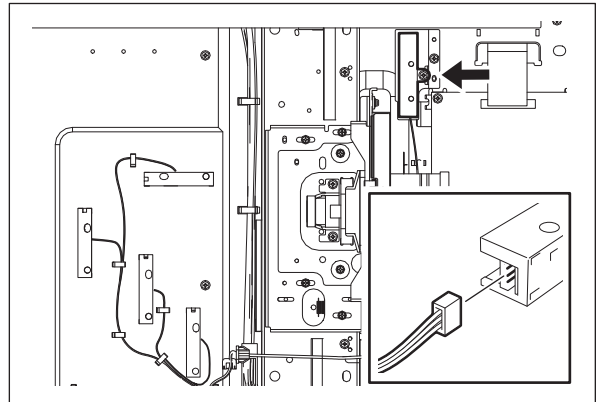


Fig. 4-45

- (4) Disconnect 1 connector each, release 2 latches each and take off 4 APS sensors.

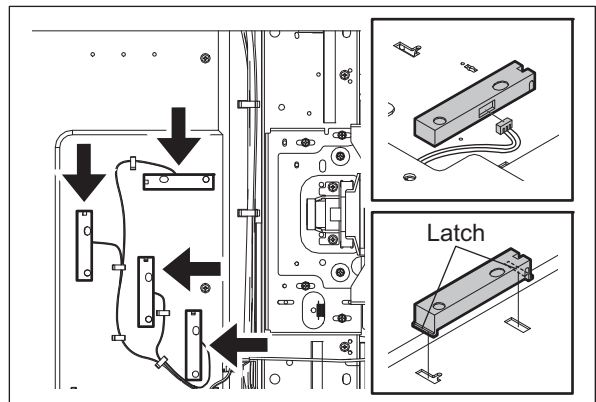


Fig. 4-46

[B] LT series (APS-2, -3, -C, -R)

- (1) Take off the original glass.
📖 P. 4-15"4.3.1 Original glass"
- (2) Take off the lens cover.
📖 P. 4-16"4.3.2 Lens cover"
- (3) Disconnect 1 connector, remove 1 screw and take off the APS sensor.

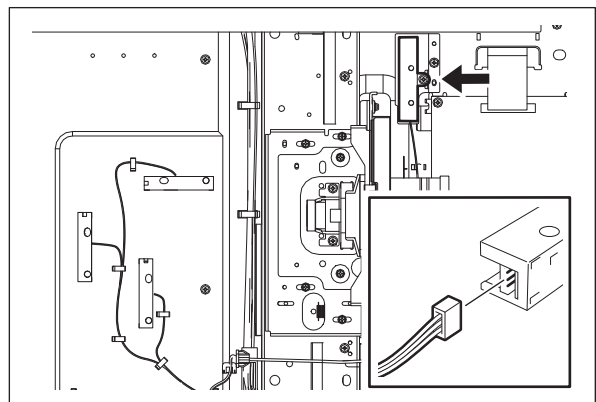


Fig. 4-47

- (4) Disconnect 1 connector each, release 2 latches each and take off 3 APS sensors.

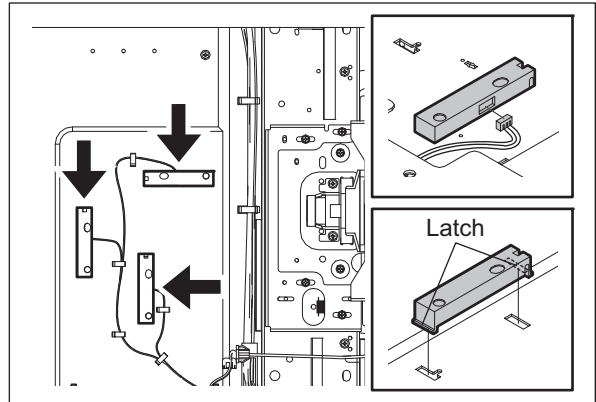


Fig. 4-48

4.3.5 Exposure lamp (EXP)

- (1) Take off the original glass.
 P. 4-15"4.3.1 Original glass"
- (2) Take off the top front cover.
 P. 4-2"4.1.5 Top front cover"
- (3) Move the carriage-1 to the center position.

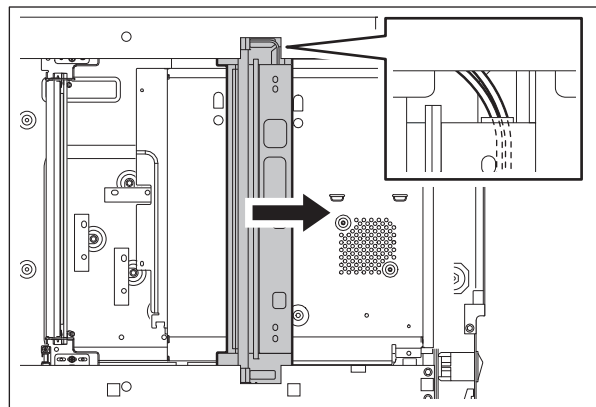


Fig. 4-49

Notes:

Rotate the drive pulley to move the carriage.

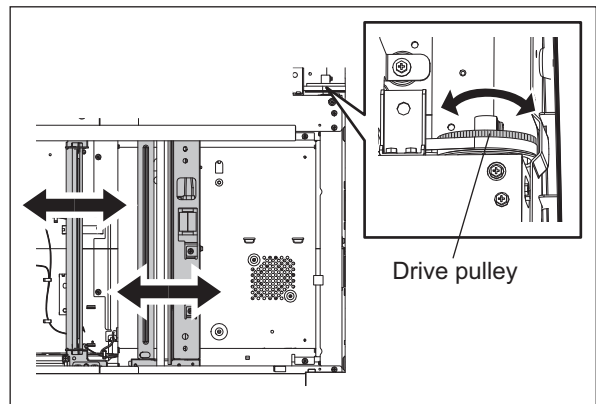


Fig. 4-50

- (4) Disconnect the connector of the exposure lamp.

Notes:

When disconnecting the connector, pay attention not to give load to the carriage frame.

- (5) Release the harness from the harness clamp.

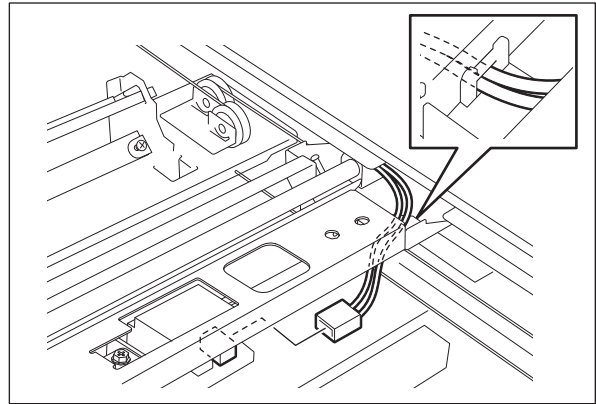


Fig. 4-51

- (6) Move the carriage-1 to the position where the side of the frame is cut out.

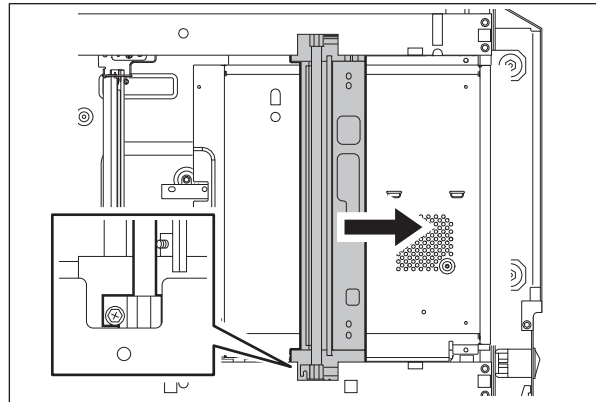


Fig. 4-52

- (7) Remove 1 screw.
- (8) Lift up the front side of the exposure lamp and take off by sliding it.

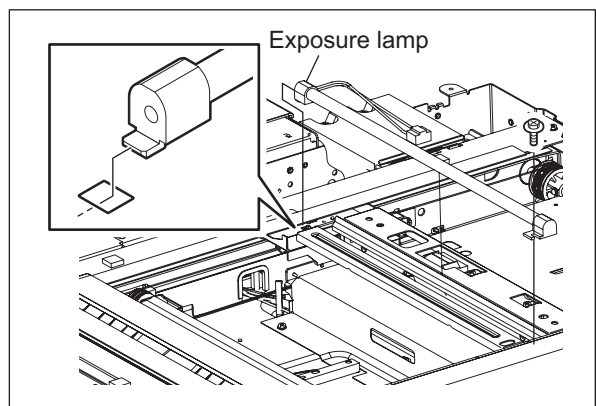



Fig. 4-53

4.3.6 Exposure lamp cooling fan-1 (F2)

- (1) Open the RADF.
- (2) Take off the original glass.
 P. 4-15"4.3.1 Original glass"
- (3) Move the carriage-1 to the right side.

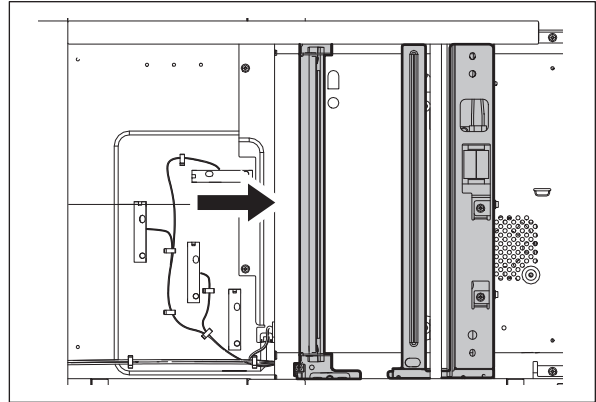


Fig. 4-54

Notes:

Rotate the drive pulley to move the carriage.

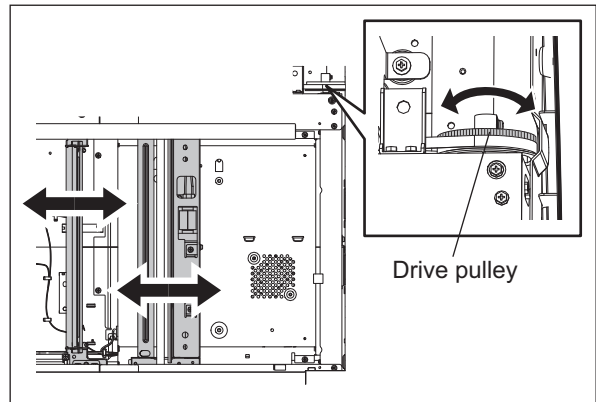


Fig. 4-55

- (4) Disconnect 1 connector.
- (5) Remove 3 screws, and take off the Exposure lamp cooling fan-1.

Notes:

When installing the fan, do not tighten the screw too much.

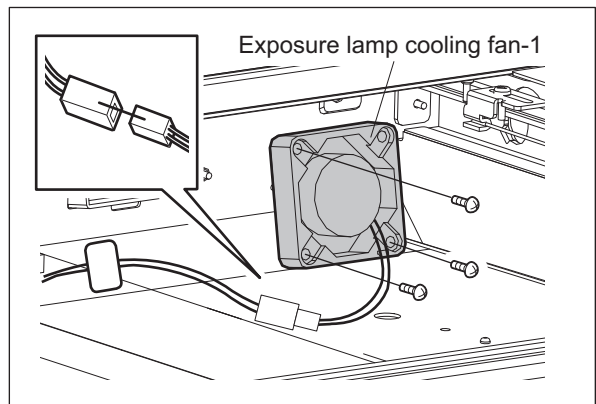


Fig. 4-56

4.3.7 Scanner unit cooling fan-1 (F3)

- (1) Take off the top rear cover.
📖 P. 4-7"4.1.20 Top rear cover"
- (2) Remove 3 screws and take off the duct cover.

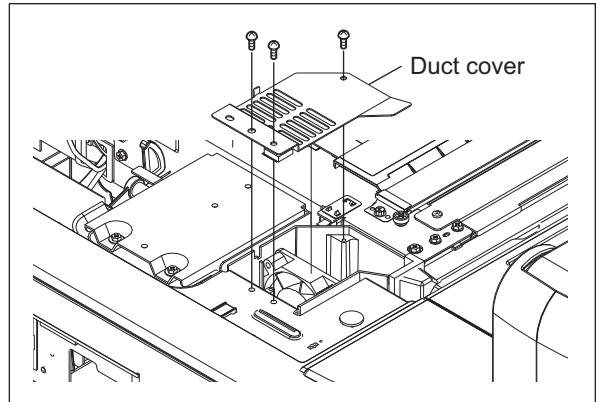


Fig. 4-57

- (3) Lift the duct.

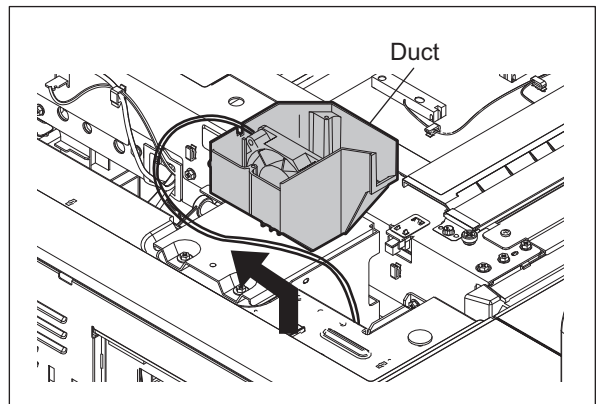


Fig. 4-58

Notes:

Pass the cable through cutout of the duct to install it in the equipment.

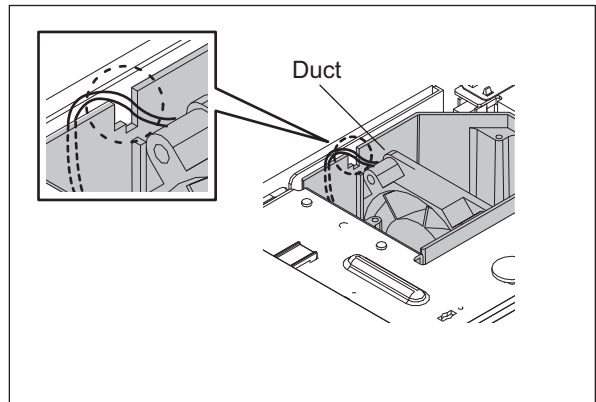


Fig. 4-59

- (4) Disconnect 1 connector and take off the scanner unit cooling fan-1.

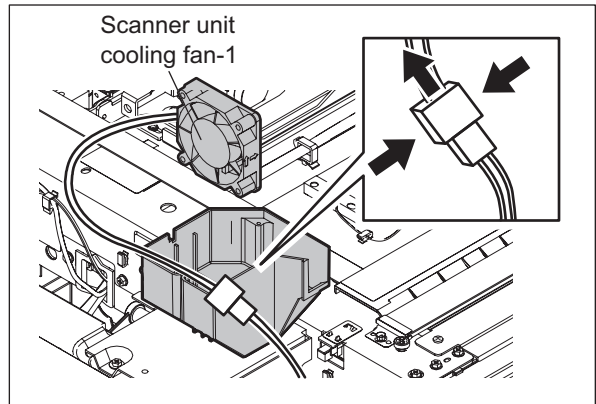


Fig. 4-60

4.3.8 Exposure lamp cooling fan-2 (F26)

- (1) Open the RADF.
- (2) Take off the original glass.
 ⓘ P. 4-15"4.3.1 Original glass"
- (3) Move the carriage-1 to the right side.

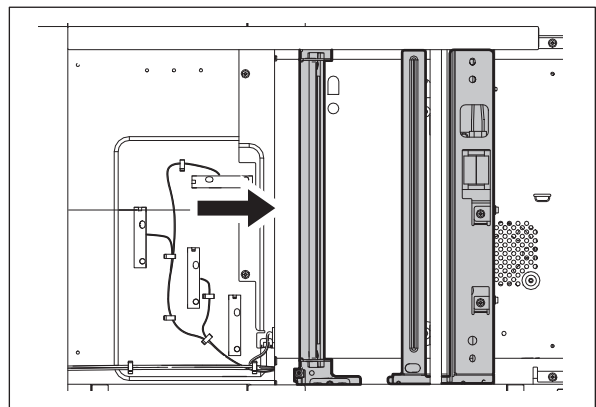


Fig. 4-61

Notes:

Rotate the drive pulley to move the carriage.

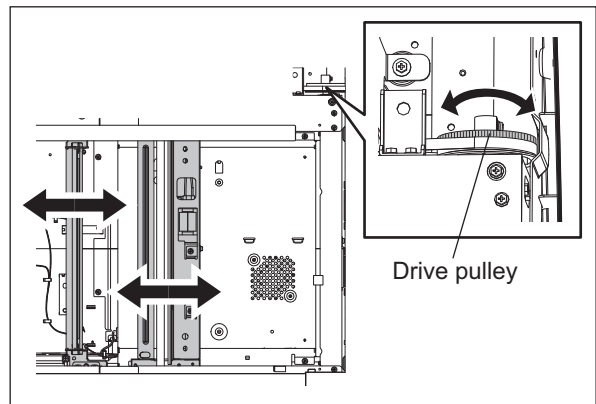


Fig. 4-62

- (4) Remove the seal and then disconnect 1 connector.

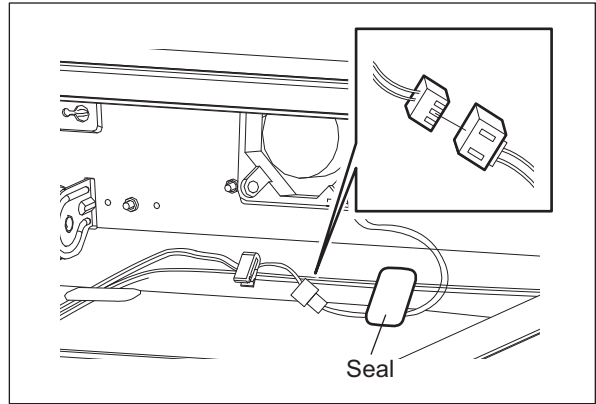


Fig. 4-63

- (5) Remove 3 screws, and take off the Exposure lamp cooling fan-2.

Notes:

When installing the fan, do not tighten the screw too much.

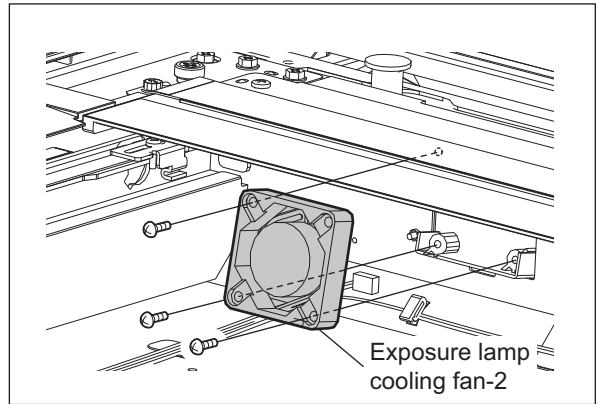


Fig. 4-64

4.3.9 Upper exhaust fan (left) (F29)

- (1) Take off the top rear cover.
 P. 4-7"4.1.20 Top rear cover"
- (2) Disconnect 1 connector.

Notes:

When connecting the connector of the upper exhaust fan (left), be sure that you do not use the wrong one.

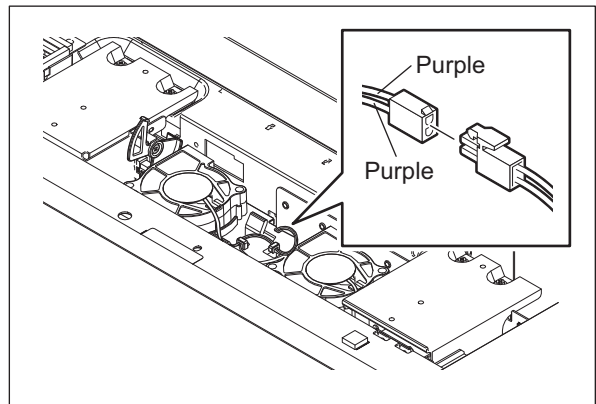


Fig. 4-65

(3) Take off the upper exhaust fan (left).

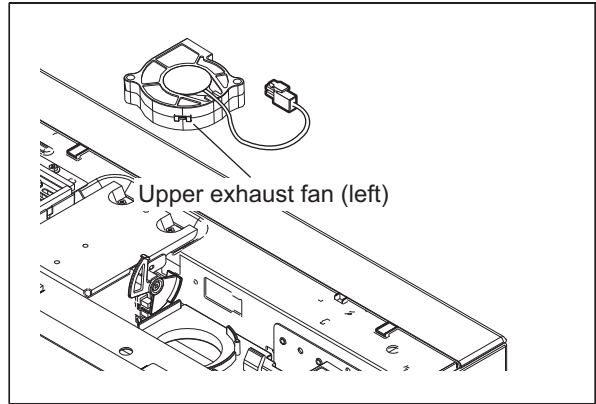


Fig. 4-66

4.3.10 Upper exhaust fan (right) (F30)

- (1) Take off the top rear cover.
P. 4-7"4.1.20 Top rear cover"
- (2) Disconnect 1 connector.

Notes:

When connecting the connector of the upper exhaust fan (right), be sure that you do not use the wrong one.

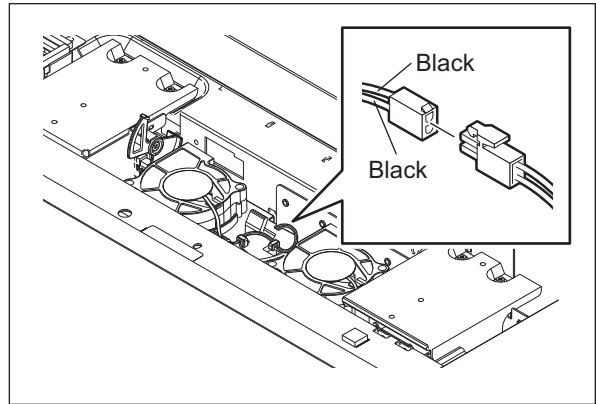


Fig. 4-67

- (3) Take off the upper exhaust fan (right).

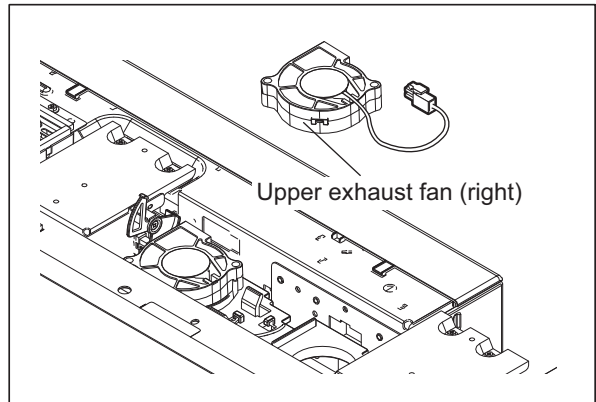



Fig. 4-68

4.3.11 Lens unit

[A] Lens unit

- (1) Remove the lens cover.
 P. 4-16"4.3.2 Lens cover"
- (2) Disconnect 1 connector and remove 4 screws, then take off the lens unit.

Notes:

1. When installing the lens unit, fix it while pushing it to the rear direction.
2. The lens unit must not be readjusted and some part of its components must not be replaced in the field since the unit is precisely adjusted. If any of the components is defective, replace the whole unit.

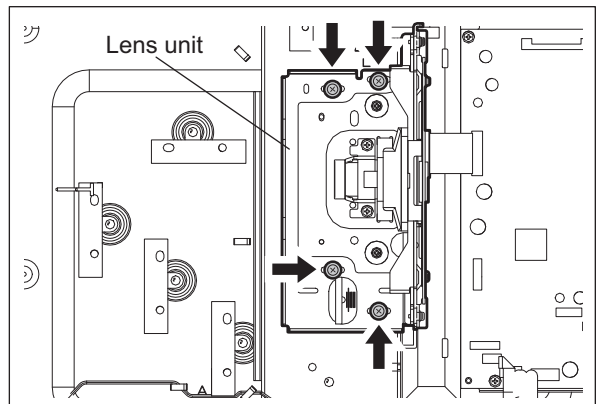


Fig. 4-69

3. Do not touch 8 screws shown with the arrows when replacing the lens unit.

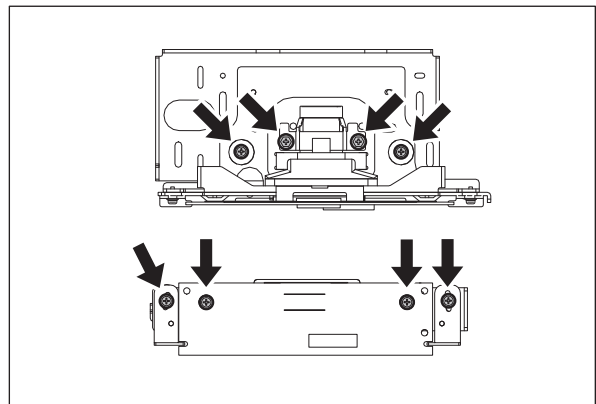


Fig. 4-70

4. Handle the unit with care. Do not touch the adjusted area and lens. (Hold the unit as the right figure.)

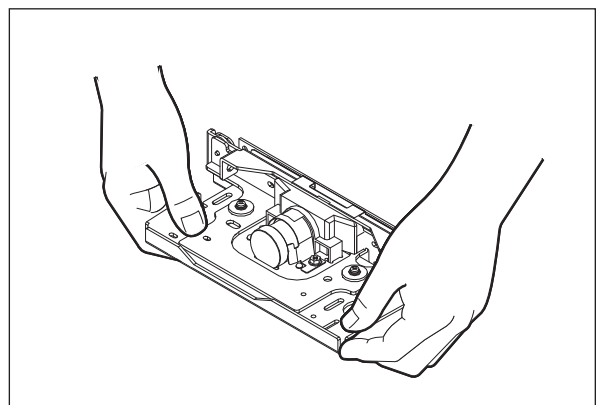


Fig. 4-71

[B] Installation of lens unit

- (1) Attach the lens unit and fix it temporarily with 2 screws.
- (2) Match the center scale of the plate in which the unit is to be installed and the rightmost scale of the adjusting hole on the lens unit plate.

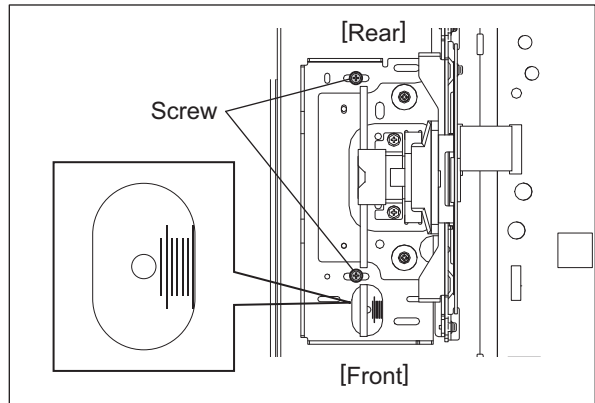


Fig. 4-72

- (3) Tighten 4 screws securely to fix the lens unit while pushing it to the rear side.

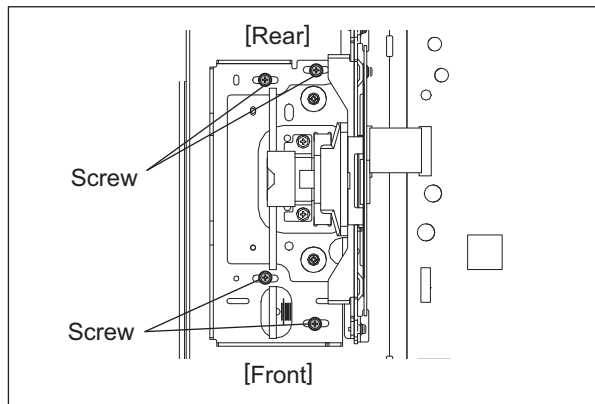



Fig. 4-73

4.3.12 Scan motor (M1)

- (1) Remove the RADF.
- (2) Take off the top rear cover.
 P. 4-7"4.1.20 Top rear cover"
- (3) Remove 4 screws and take off the bracket.

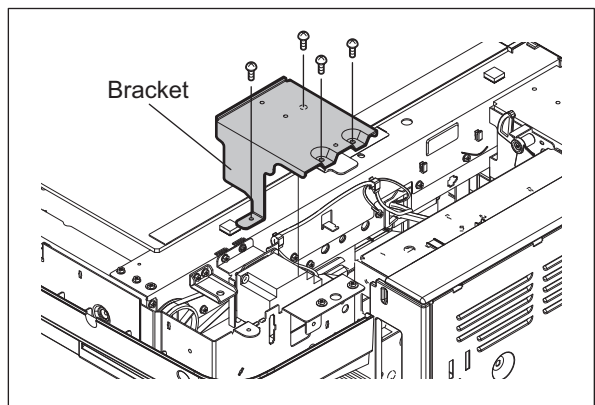


Fig. 4-74

- (4) Release the harness from the harness clamp.
- (5) Remove 3 screws and take off the scan motor with the whole bracket.

Notes:

When installing the scan motor, be sure to perform the belt tension adjustment.

📖 P. 6-82"6.6.2 Belt tension adjustment of the Scan motor"

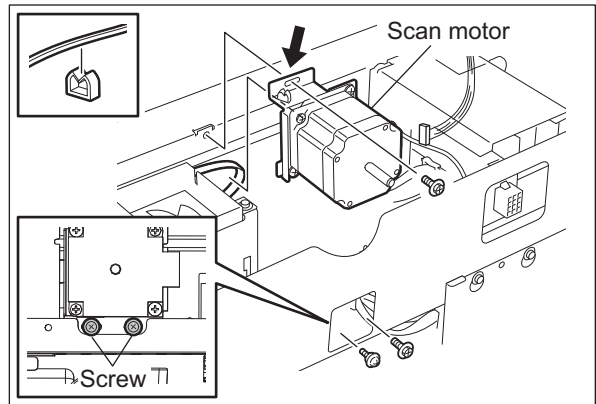


Fig. 4-75

4.3.13 Carriage-1

- (1) Take off the original glass.
📖 P. 4-15"4.3.1 Original glass"
- (2) Take off the top rear cover.
📖 P. 4-7"4.1.20 Top rear cover"
- (3) Take off the top front cover.
📖 P. 4-2"4.1.5 Top front cover"
- (4) Move the carriage and position the holes of the carriage to the holes of the frame.
- (5) Remove 2 screws and take off the brackets fixing the carriage-1 to the wire.

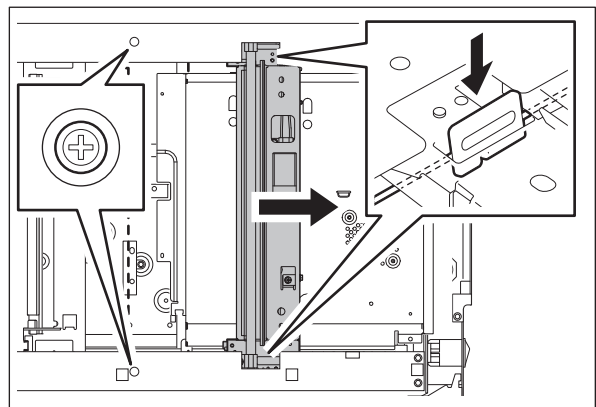


Fig. 4-76

- (6) Remove the square seal fixing the lamp harness to the base. Disconnect the connector of the lamp harness from the SLG board

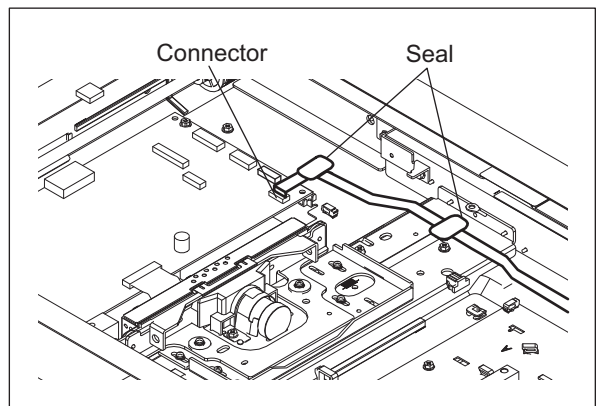


Fig. 4-77

Notes:

Be sure to install the lamp harness by following the procedure below.

1. Clean the seal adhering surface with alcohol.
2. Align the black line on the lamp harness with the position as shown in the figure, and fix it with a seal.

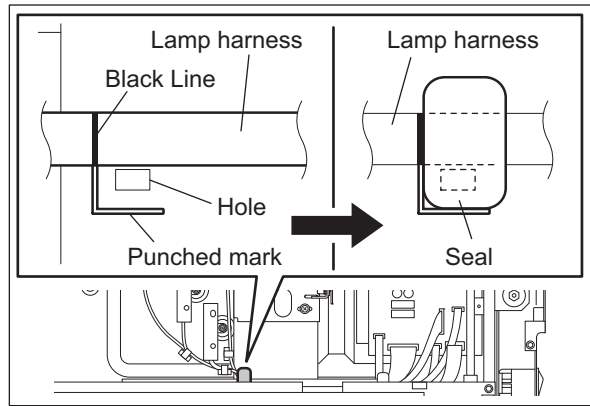


Fig. 4-78

3. Align the bent portion of the lamp harness with the position as shown in the figure, and fix it with a seal.
4. After the installation, move carriage-1 towards the left and confirm that there is no abnormality in the lamp harness, such as twisting.

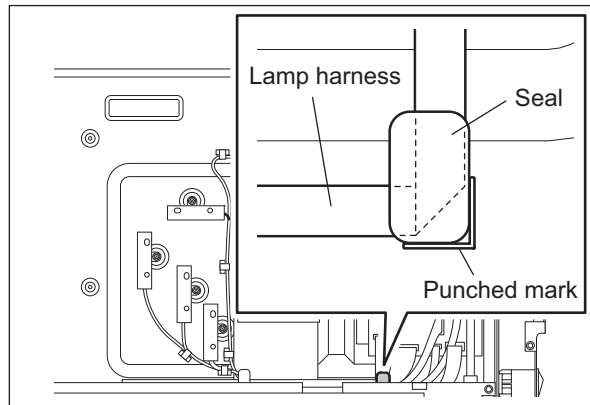


Fig. 4-79

- (7) Rotate the carriage-1 in the direction shown in the figure at right, not to touch the mirror. Then take off the carriage-1.

Notes:

When replacing the mirror-1, replace the carriage-1 together with mirror-1. Mirror-1 should not be removed.

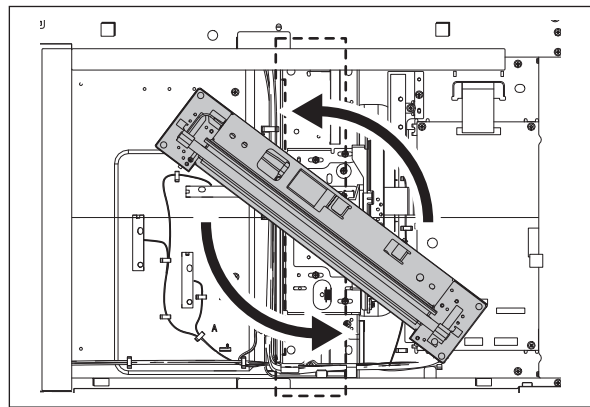


Fig. 4-80

Notes:

When installing carriage-1, fix the bracket temporarily at the position (A). Then move it to the direction (B), push it to the end and fix securely.

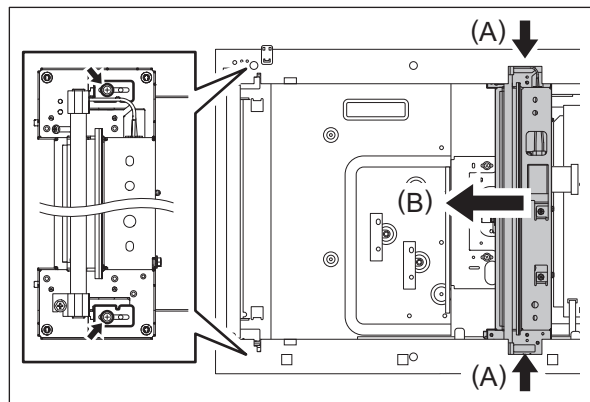


Fig. 4-81

4.3.14 Inverter board (INV)

- (1) Take off the carriage-1.
P. 4-28"4.3.13 Carriage-1"
- (2) Disconnect 2 connectors.
- (3) Remove 4 screws and take off the inverter cover and inverter board.

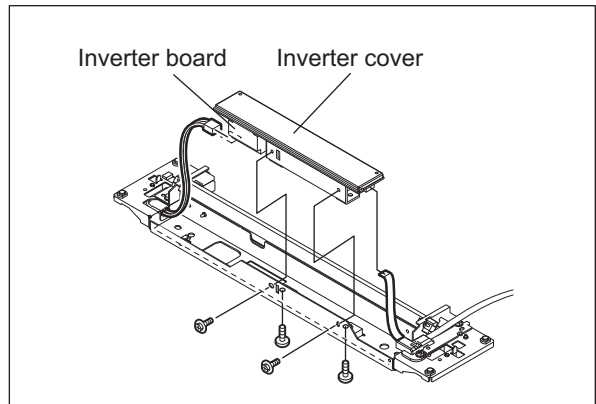


Fig. 4-82

- (4) Remove 2 screws and take off the inverter board.

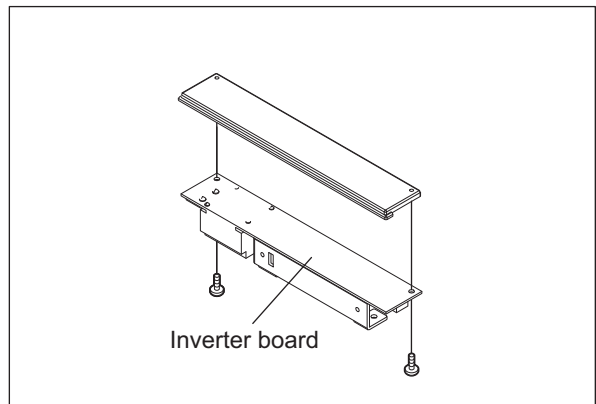


Fig. 4-83

4.3.15 Carriage wire / carriage-2

[A] Carriage wire / carriage-2

- (1) Take off the carriage-1.
P. 4-28"4.3.13 Carriage-1"
- (2) Attach the wire holder jigs to the pulleys to prevent the wires from loosening.

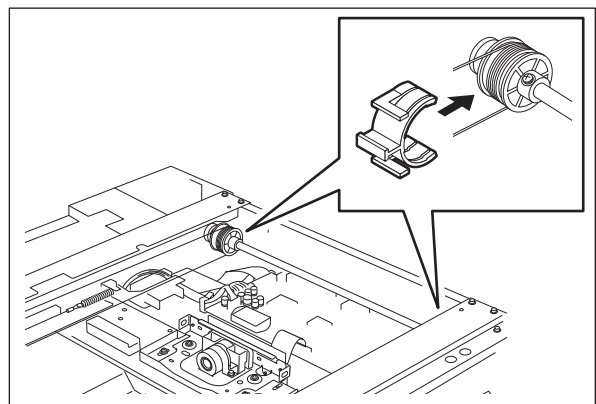


Fig. 4-84

Notes:

1. When the wire holder jig is attached, make sure that the wire is not shifted or loosened.
2. The wire should come out of the slot of the wire holder jig and be passed under the arm of it.

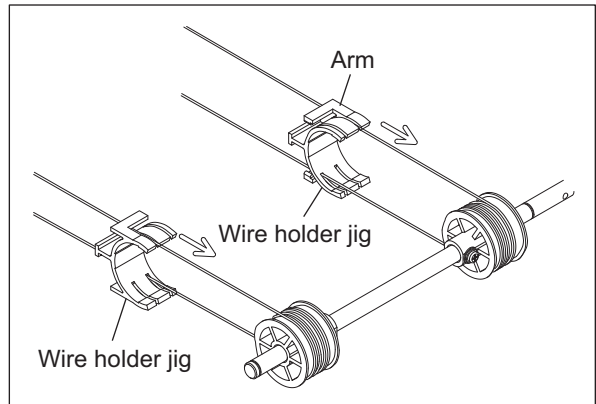


Fig. 4-85

- (3) Detach the tension springs of the front and rear sides.
- (4) Remove the carriage wires.

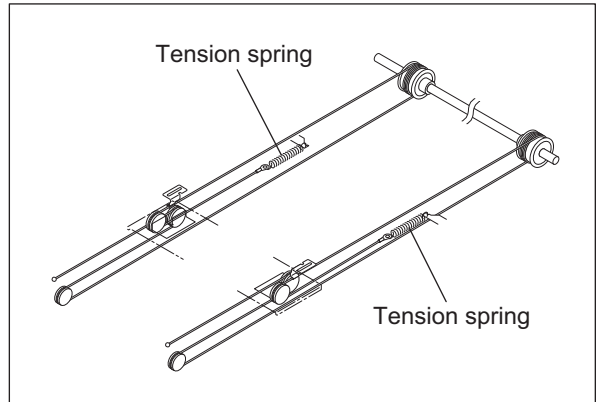


Fig. 4-86

- (5) Rotate the carriage-2 in the direction where the inside of the frame is dented shown in the figure at right, not to touch the mirrors. Then take off the carriage-2.

Notes:

1. When replacing the mirrors-2 and -3, replace the carriage-2 together with mirrors-2 and -3. Mirrors-2 and -3 should not be removed.
2. When installing carriage-2, fix the front bracket temporarily and move it in the direction of (B) after the wires are installed. Then push it to the end and fix it securely.

(P. 4-29"Fig. 4-81 ")

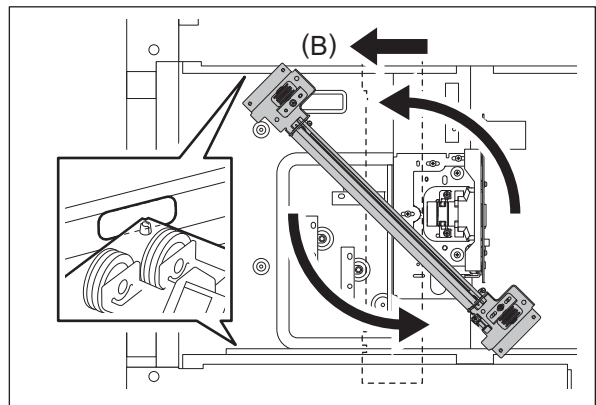


Fig. 4-87

[B] Installing carriage wires

- (1) When replacing the carriage wires, refer illustrations below:

Notes:
Adjustment of the carriage wire tension is not necessary since a certain tension is applied to the carriage wires by the tension springs. Make sure the tension applied to the wire is normal.

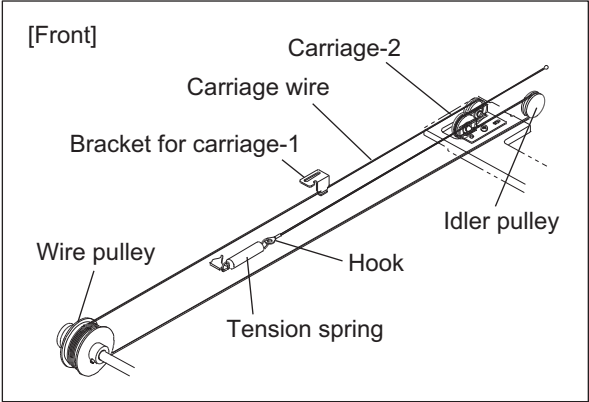


Fig. 4-88

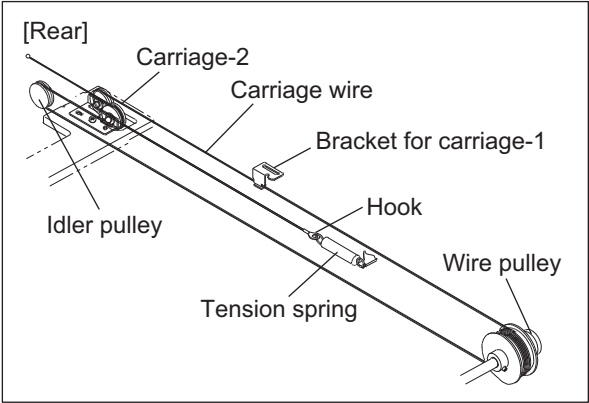


Fig. 4-89

[C] Winding the wires around the wire pulley

- (1) Pull the $\varnothing 3$ ball terminal located at the center of the wire into a hole on the wire pulley. One end of the wire with a hook attached comes to the outside.
- (2) Wind the wires around the wire pulleys of the front and rear sides. The number of turns to be wound are as follows:
 - 2 turns toward the opposite side of the boss
 - 4 turns toward the boss side

Notes:

Pay attention to the followings when the wires are wound around the pulleys:

- Do not twist the wire.
- Wind the wires tightly so that they are in complete contact with the surface of the pulleys.
- Each turn should be pushed against the previously wound turn so that there is no space between them.

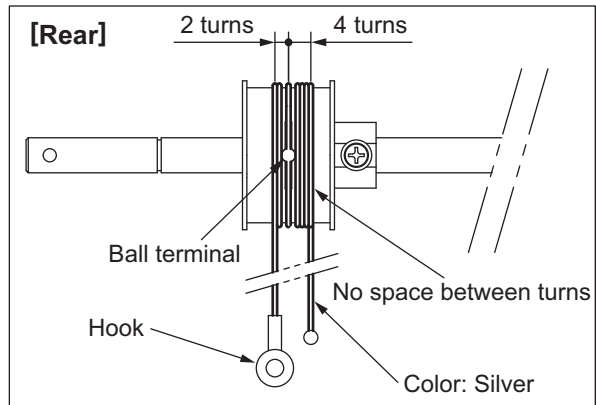


Fig. 4-90

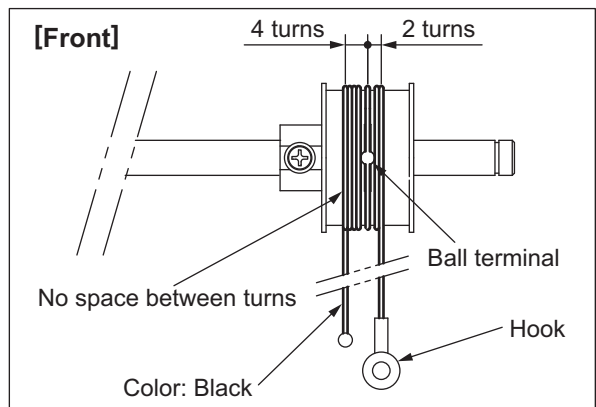


Fig. 4-91

- (3) After winding the wires around the pulleys, attach the wire holder jigs not to loosen the wires.

Notes:

1. When the wire holder jig is attached, make sure that the wire is not shifted or loosened.
2. The wire should come out of the slot of the wire holder jig and be passed under the arm of it.

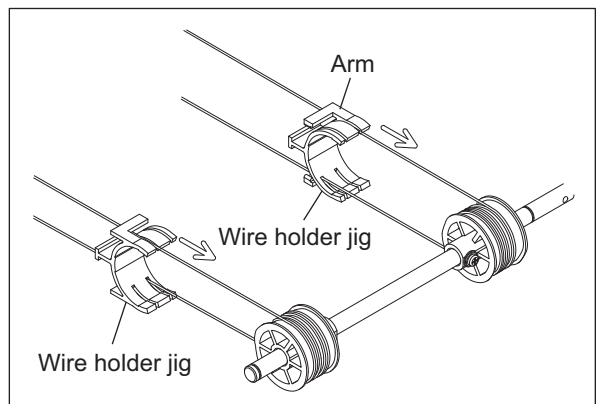



Fig. 4-92

4.3.16 Carriage home position sensor (S6)

- (1) Take off the top rear cover.
 P. 4-7"4.1.20 Top rear cover"
- (2) Remove the seal.
- (3) Disconnect 1 connector. Release the latches and take off the carriage home position sensor.

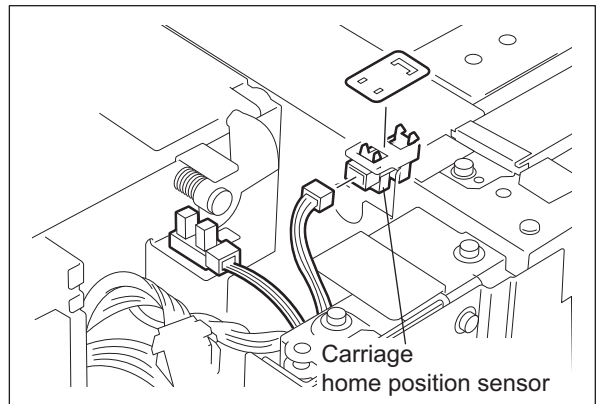



Fig. 4-93

4.3.17 Platen sensor (S7)

- (1) Remove the RADF.
- (2) Take off the top rear cover.
 P. 4-7"4.1.20 Top rear cover"
- (3) Disconnect 1 connector. Release the latches and take off the platen sensor.

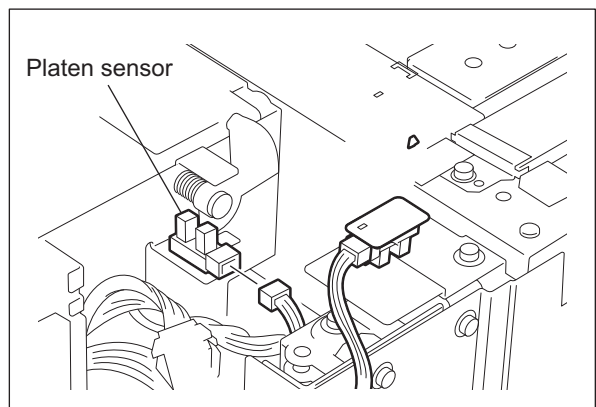



Fig. 4-94

4.3.18 SLG board (SLG)

- (1) Open the RADF.
- (2) Take off the lens cover.
 P. 4-16"4.3.2 Lens cover"
- (3) Disconnect 10 connectors, remove 4 screws and take off the SLG board.

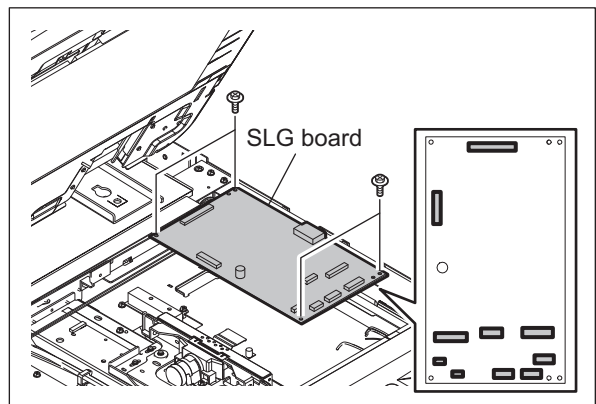




Fig. 4-95

4.4 Laser Optical Unit

4.4.1 Laser optical unit

- (1) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"
- (2) Take off the left middle cover.
 P. 4-4"4.1.9 Left middle cover"

Notes:

When installing the laser optical unit, attach the left middle cover before the rear cover since the former may catch the flat cable.

- (3) Disconnect 3 connectors and release the harness from 2 harness clamps.
- (4) Remove 2 harness clamps.
- (5) Disconnect 1 connector and remove 1 harness clamp. Then remove 1 screw and a grounding terminal to take off the bracket.

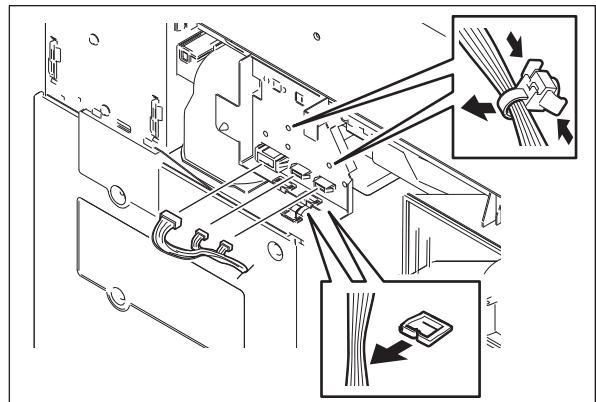


Fig. 4-96

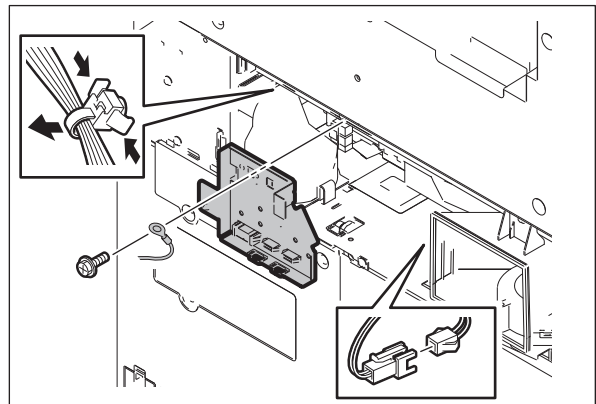


Fig. 4-97

- (6) Install the removed harness clamp in the hole of the frame.

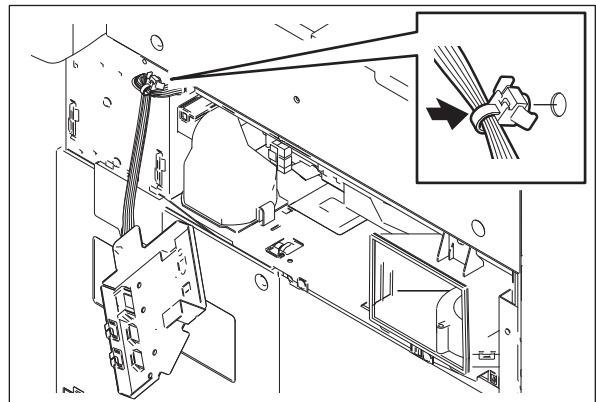


Fig. 4-98

- (7) Disconnect 4 flat cables from the LGC board. Then remove 2 flat cable clamps on the frame.

Notes:

When installing, be sure to connect the flat cables at the proper positions.

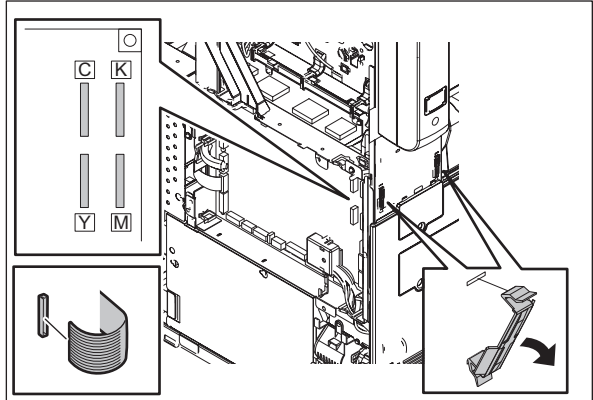


Fig. 4-99

Notes:

When installing, be sure to align its black line with the edge of the equipment.

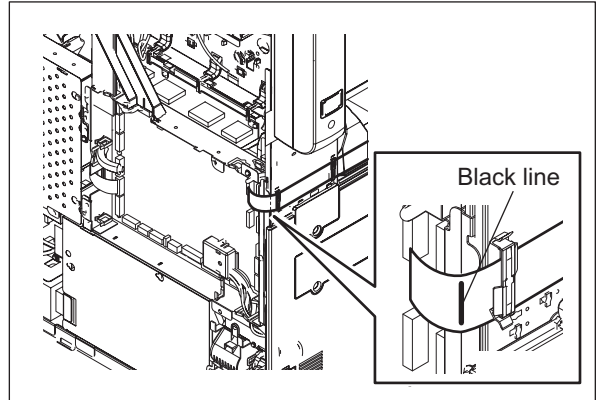


Fig. 4-100

- (8) Remove 2 screws and then take off the EPU cooling fan duct.

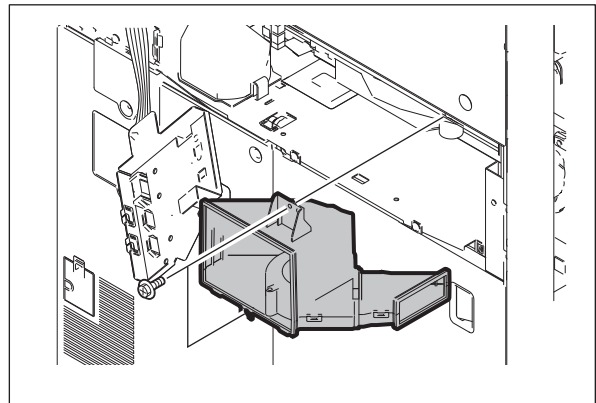


Fig. 4-101

- (9) Release 1 latch and then take off the ozone suctioning fan duct.

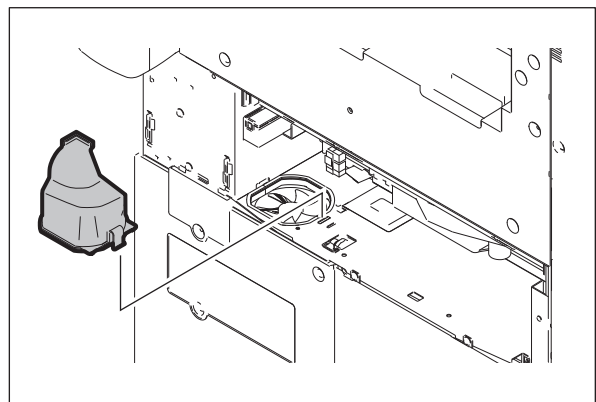


Fig. 4-102

- (10) Pull out the EPU together with the transfer belt. Then remove 2 screws.

Notes:

When reassembling, make sure the bosses of the laser optical unit is securely inserted into the hole of the plate.

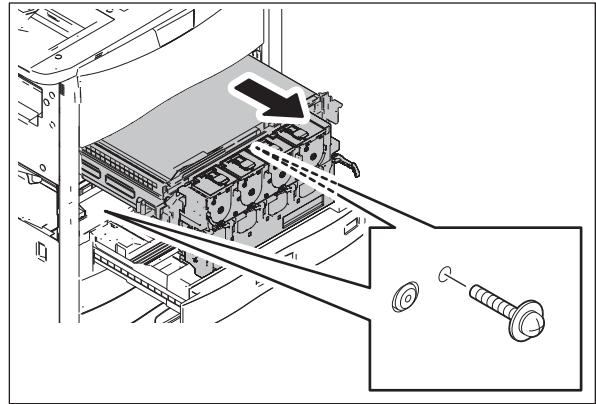


Fig. 4-103

- (11) Slide the laser optical unit to the rear side and then quietly pull out the unit towards the paper exit side.

Notes:

When the laser optical unit is replaced, start the equipment in the adjustment mode (05) and perform the code 4721 before the normal start-up.

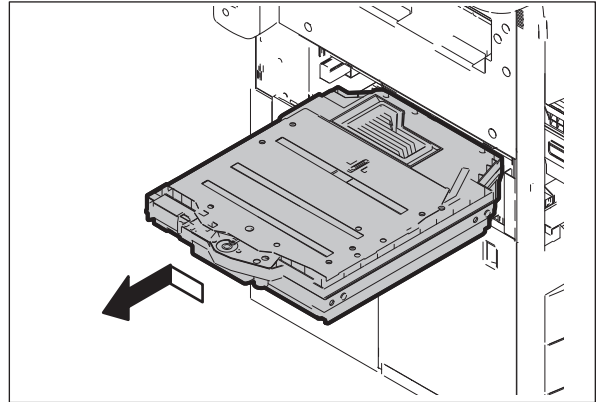


Fig. 4-104

Notes:

1. Do not leave fingerprints or stains on the slit glass of the laser optical unit.
2. Pay close attention not to cause any impact to the laser optical unit because it is a precision apparatus.
3. Place the removed laser optical unit so as not to cause any load for the polygonal motor.
4. Do not disassemble the laser optical unit in the field because it is precisely adjusted and very sensitive to dust and stains.
5. In the case of the laser optical unit, horizontally hold the parts A and B shown in the figure. Be careful not to apply pressure to the top of the unit (the cover) with your hands, etc. because the slit glass and the polygonal motor are installed in this section.
6. When the laser optical unit has been taken off, keep the shutter closed unless otherwise required.

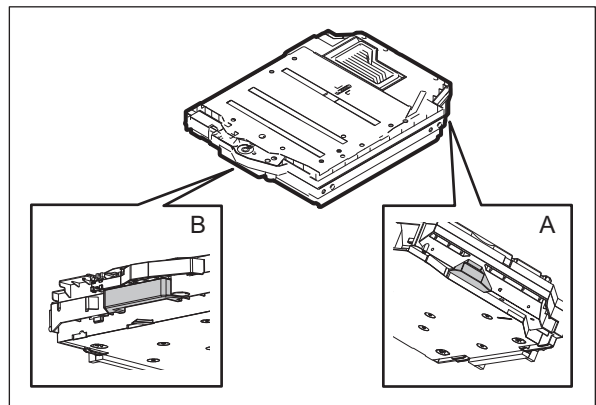


Fig. 4-105

4.4.2 Laser optical unit cooling fan (front) (F22)

- (1) Take off the front lower cover.
📖 P. 4-1"4.1.1 Front lower cover"
- (2) Take off the right corner cover.
📖 P. 4-8"4.1.22 Right corner cover"
- (3) Pull out the process unit.
📖 P. 4-91"4.6.1 Pulling out the process unit (EPU tray)"
- (4) Disconnect the 3 connectors [1], and release the harness from the harness clamp [2].

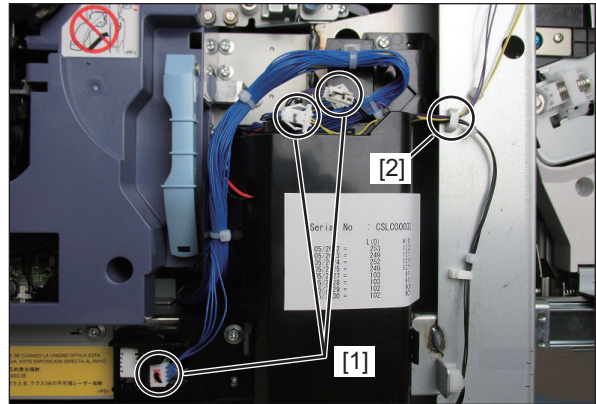


Fig. 4-106

Notes:

When installing the laser optical unit cooling duct to the equipment, set its harness as shown in the figure.

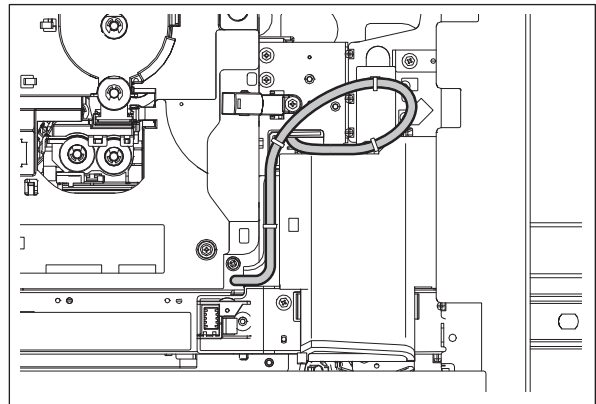


Fig. 4-107

- (5) Release 1 rocking support.

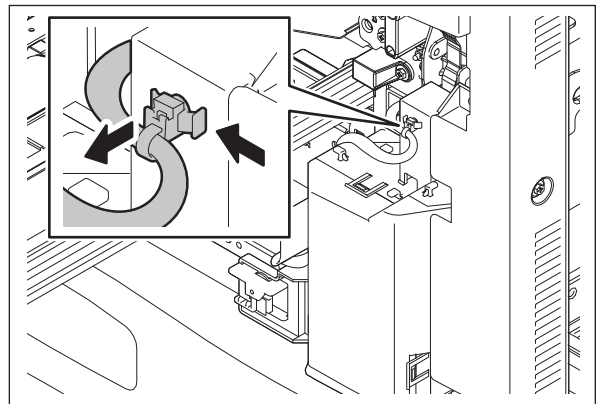


Fig. 4-108

- (6) Remove 2 screws.

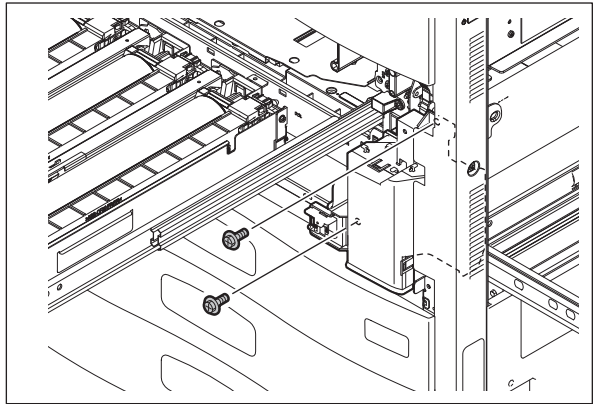


Fig. 4-109

- (7) Take off the laser optical unit cooling duct by rotating it as shown in the figure.

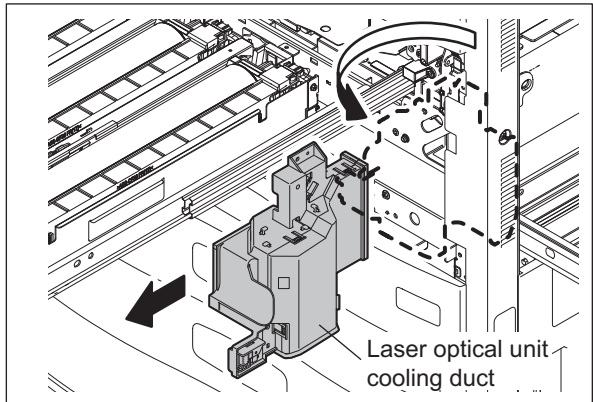


Fig. 4-110

- (8) Release 4 latches and take off the case.

Notes:

When taking off the case, do not pull any harness which is coming out of the hole in the case.

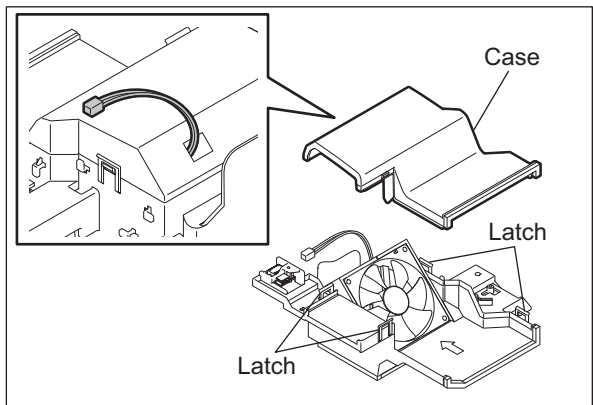


Fig. 4-111

- (9) Take off the laser optical unit cooling fan (front).

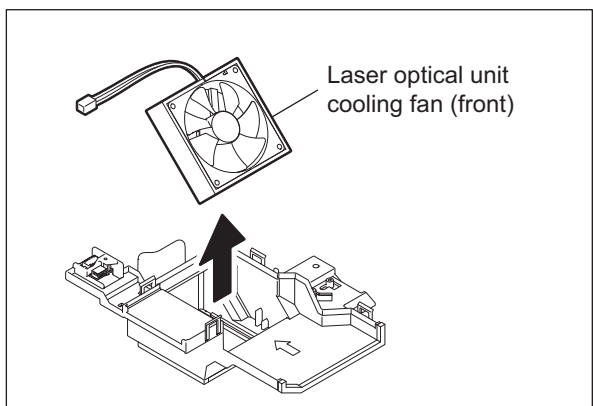



Fig. 4-112

4.4.3 Laser optical unit cooling fan (rear) (F23)

- (1) Take off the PFC board cover.
 P. 9-8"9.1.9 PFC board case"
- (2) Release the harness from 2 harness clamps.

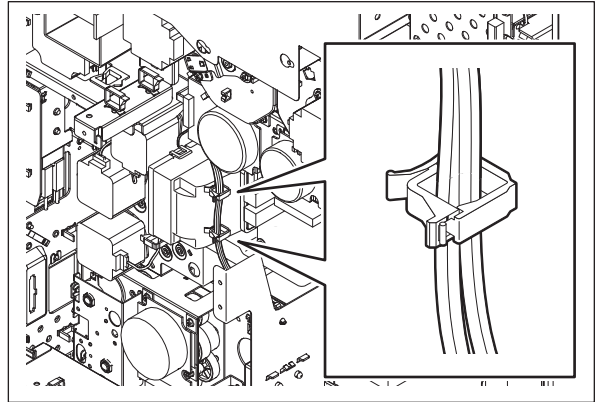


Fig. 4-113

- (3) Disconnect 1 connector and remove 2 screws, and then take off the laser optical unit cooling duct.

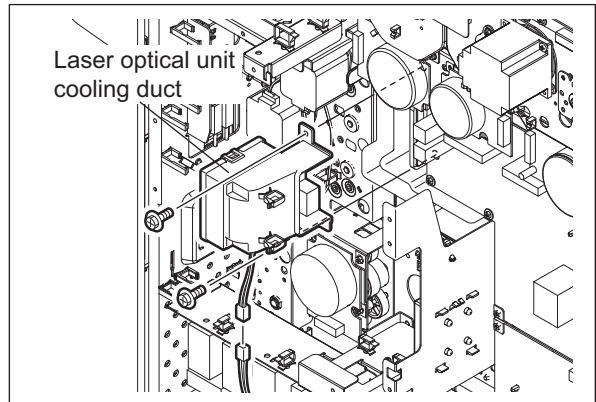


Fig. 4-114

- (4) Release 2 latches and take off the duct cover.
- (5) Take off the laser optical unit cooling fan (rear).

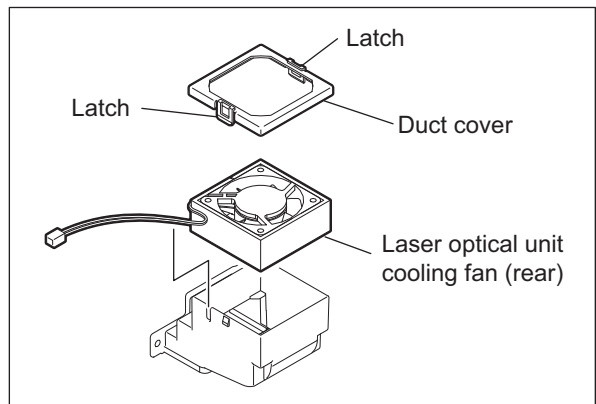


Fig. 4-115

4.4.4 Shutter

- (1) Remove the laser optical unit.
P. 4-35"4.4.1 Laser optical unit"
- (2) If the shutter is closed, rotate the shutter motor section to open it.
A: Shutter closed
B: Shutter opened

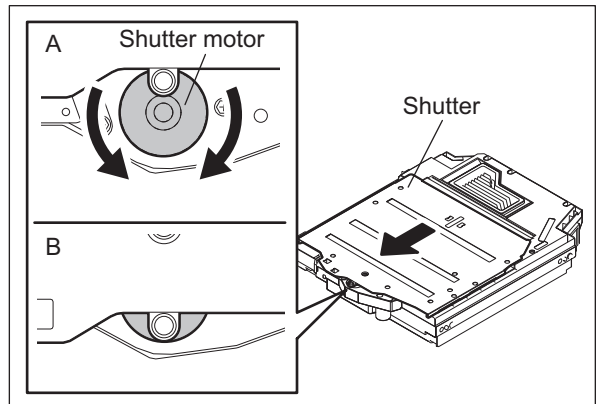


Fig. 4-116

- (3) Remove the shutter.

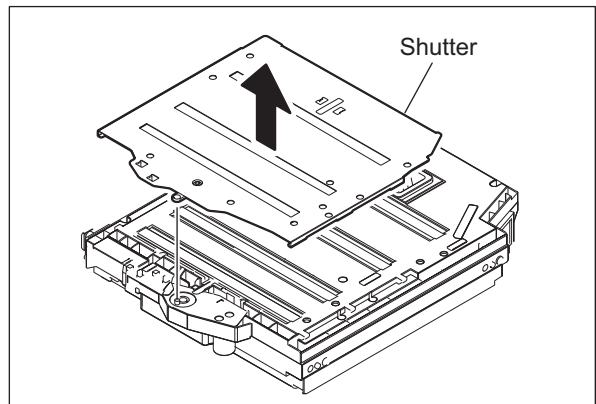


Fig. 4-117

4.4.5 Shutter motor

- (1) Remove the laser optical unit.
P. 4-35"4.4.1 Laser optical unit"

Notes:

- Make sure that the shutter is closed.
- (2) Remove 2 screws and disconnect 1 connector.
- (3) Take off the shutter motor.

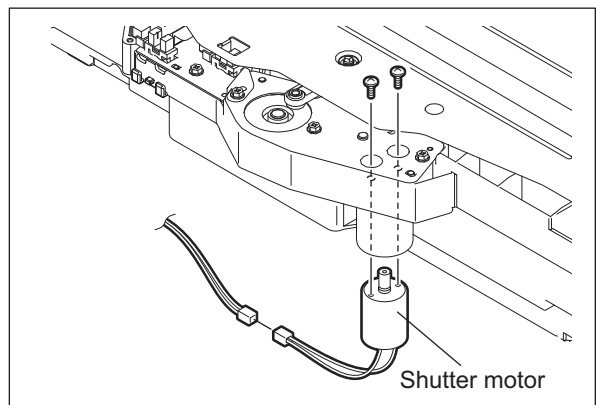


Fig. 4-118

4.4.6 Shutter sensor (home position)

- (1) Remove the laser optical unit.
☞ P. 4-35"4.4.1 Laser optical unit"
- (2) Remove the shutter.
☞ P. 4-41"4.4.4 Shutter"
- (3) Disconnect 1 connector.

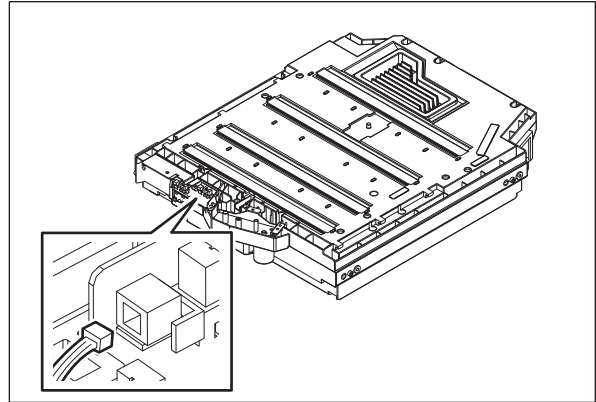


Fig. 4-119

- (4) Release 2 latches and take off the shutter sensor (home position).

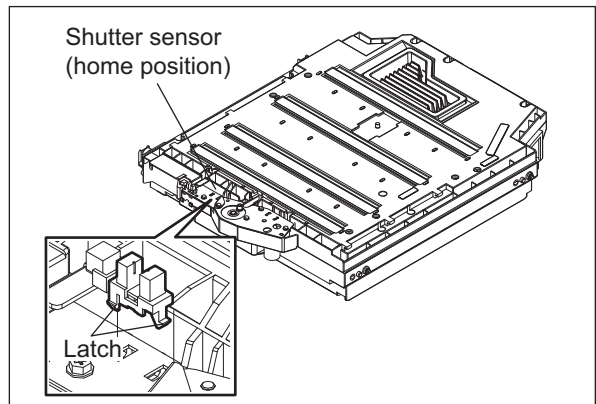


Fig. 4-120

4.4.7 Shutter sensor (end position)

- (1) Remove the laser optical unit.
☞ P. 4-35"4.4.1 Laser optical unit"
- (2) Remove the shutter.
☞ P. 4-41"4.4.4 Shutter"
- (3) Disconnect 1 connector.

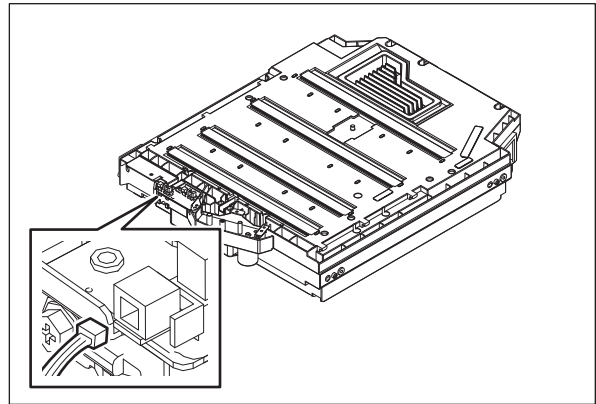


Fig. 4-121

- (4) Release 2 latches and take off the shutter sensor (end position).

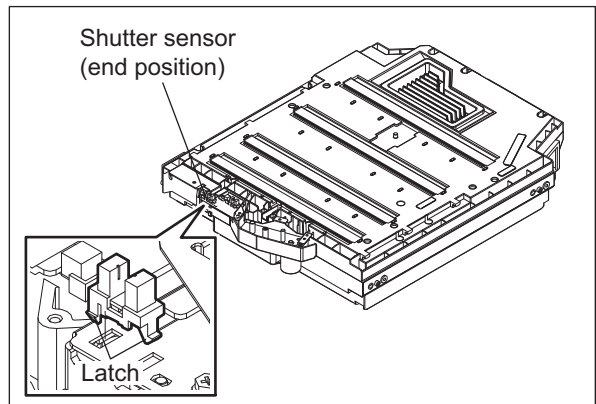


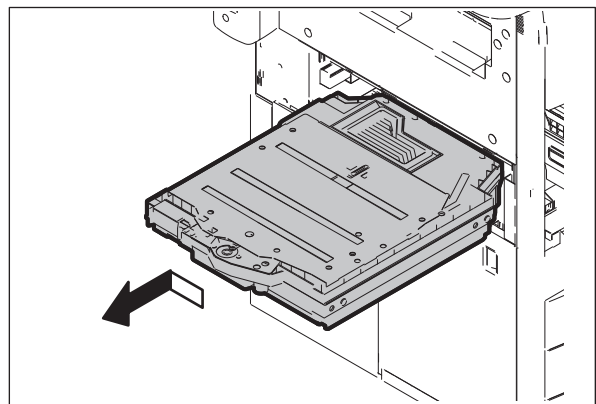
Fig. 4-122

4.4.8 Disassembly and replacement of the Polygonal motor

Notes:

Polygonal motor replacement is not recommended in the field; the image quality is not guaranteed in such a case.

- (1) Take off the laser optical unit. (Refer to SERVICE MANUAL ☞ P. 4-35"4.4.1 Laser optical unit")



- (2) Remove 3 screws and take off the polygonal motor cover.

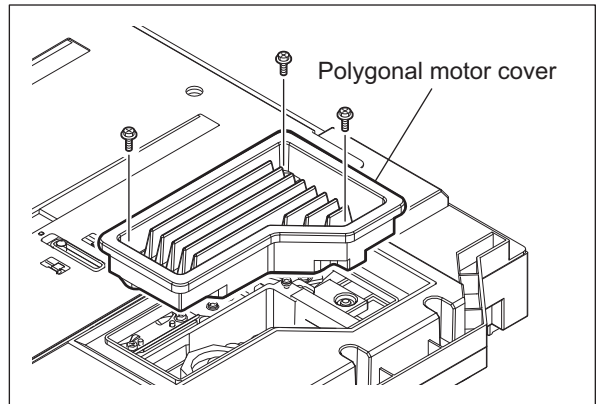


Fig. 4-123

Notes:

1. Treat the polygonal motor gently.
2. Never touch the surface of the polygonal mirror or glass. If you do so, wipe the dirt off using a clean and soft cloth, taking care not to scratch the surface.

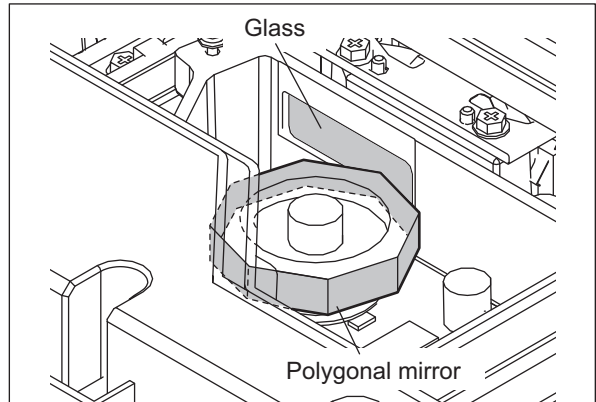


Fig. 4-124

- (3) Disconnect 1 connector, remove 4 screws and then take off the polygonal motor.

Notes:

1. Check that all 4 fixing screws for the polygonal motor contact the base before fixing the motor.
2. When installing the polygonal motor, neither hold the condenser (element) on the board nor damage the mirror with a screwdriver.

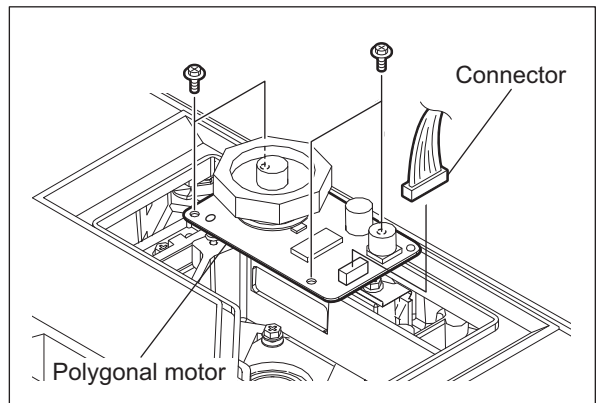


Fig. 4-125

4.5 Paper Feeding System

4.5.1 Bypass feed tray

- (1) Take off the duplexing unit front cover.
📖 P. 4-5"4.1.13 Duplexing unit front cover"
- (2) Take off the duplexing unit rear cover.
📖 P. 4-5"4.1.14 Duplexing unit rear cover"
- (3) Disconnect 1 connector and remove 1 screw.

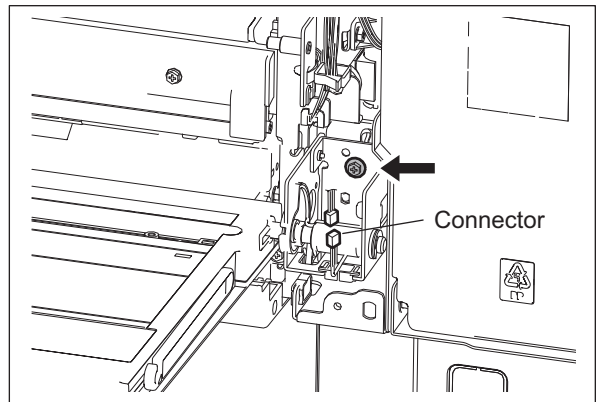


Fig. 4-126

- (4) Lift up the hinge slightly and then take off the bypass tray.

Notes:

When installing or taking off the bypass tray, keep it setting up because it is tensed with a spring.

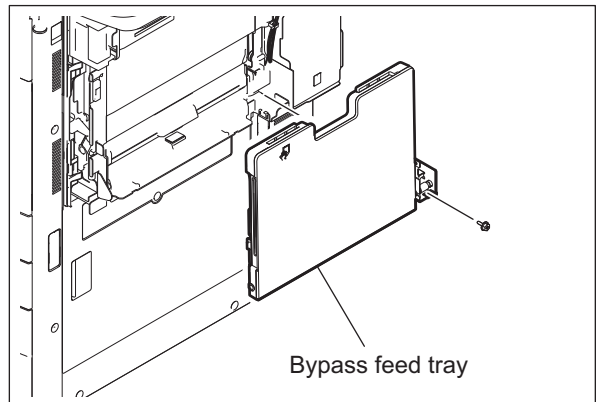


Fig. 4-127

4.5.2 Bypass feed unit

- (1) Take off the bypass feed tray.
📖 P. 4-45"4.5.1 Bypass feed tray"
- (2) Open the duplexing unit.
- (3) Remove 1 screw and take off the SFB lower cover.

Notes:

When the optional LCF is installed, be sure to install the cover with the duplexing unit opened wider than the LCF.

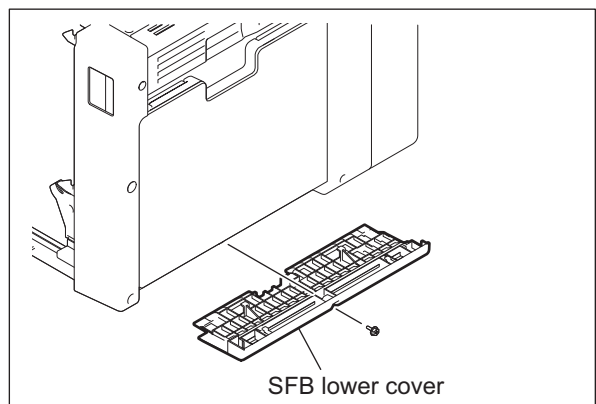


Fig. 4-128

- (4) Disconnect 4 connectors and remove 2 screws. Then take off the bypass feed unit.

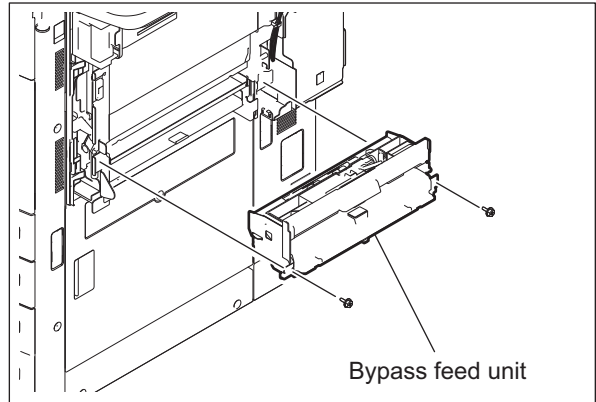



Fig. 4-129

4.5.3 Bypass pickup solenoid (SOL8)

- (1) Take off the bypass feed unit.
 P. 4-45"4.5.2 Bypass feed unit"
- (2) Remove a spring and 2 screws. Then take off the bypass pickup solenoid together with its link arm.

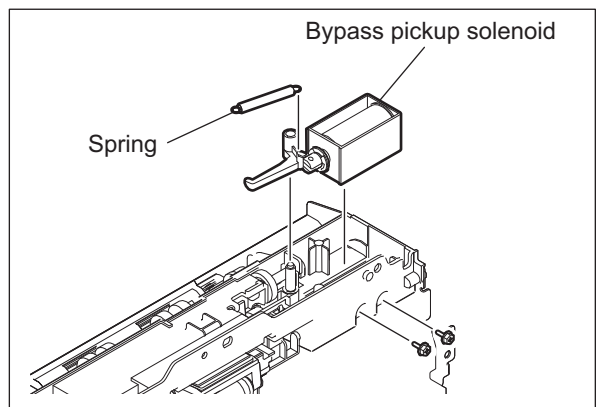



Fig. 4-130

4.5.4 Bypass paper sensor (S71)

- (1) Take off the bypass pickup solenoid.
 P. 4-46"4.5.3 Bypass pickup solenoid (SOL8)"
- (2) Take off the actuator.

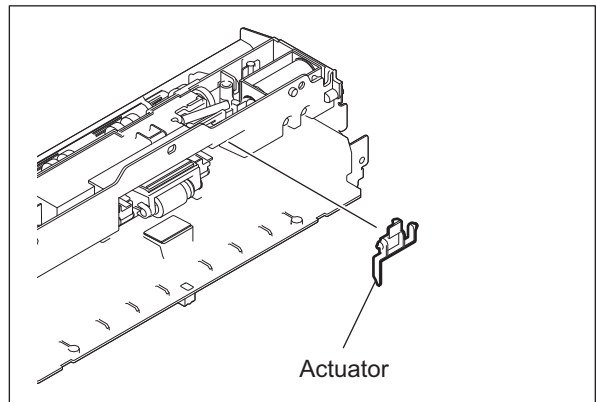


Fig. 4-131

- (3) Disconnect 1 connector and release 3 latches. Then take off the bypass paper sensor.

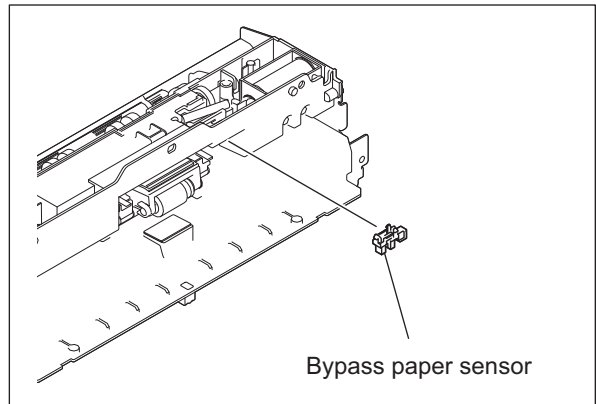


Fig. 4-132

4.5.5 Bypass pickup roller

- (1) Remove 2 screws and then take off the SFB upper cover.

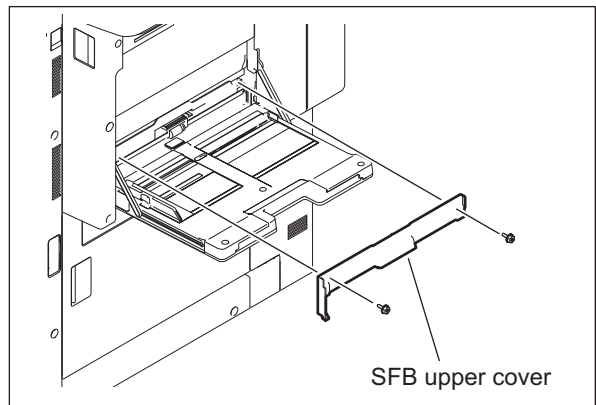


Fig. 4-133

- (2) Remove 1 clip and pull out the shaft. Then take off the bypass pickup roller.

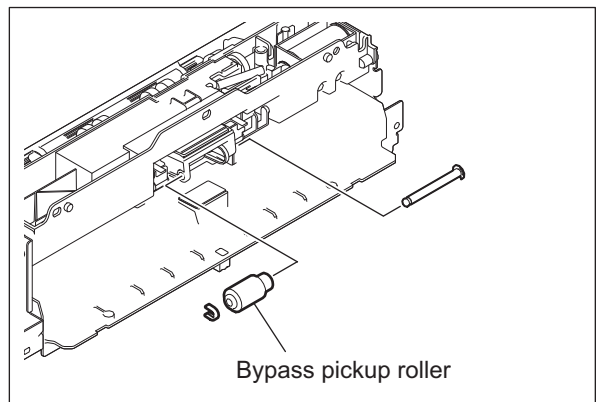



Fig. 4-134

4.5.6 Bypass upper unit

- (1) Take off the bypass feed unit.
 P. 4-45"4.5.2 Bypass feed unit"
- (2) Remove 4 screws, and then take off the bracket.

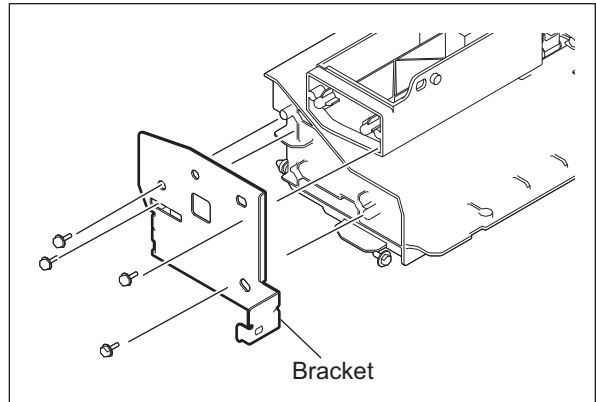


Fig. 4-135

- (3) Remove 1 E-ring, 1 belt, 1 pulley and 1 bushing.

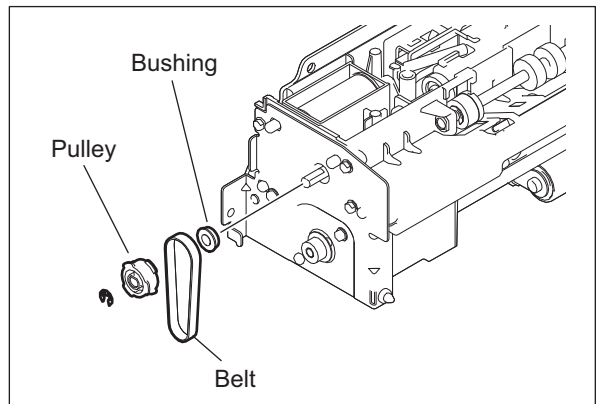


Fig. 4-136

- (4) Remove 2 screws, and then take off the bypass upper unit.

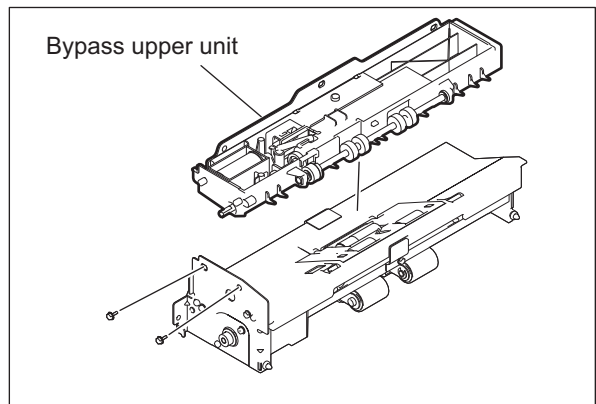



Fig. 4-137

4.5.7 Bypass feed roller

- (1) Take off the bypass upper unit.
 P. 4-45"4.5.2 Bypass feed unit"
- (2) Remove the clip and take off the bypass feed roller.

Notes:

Make sure the following items when assembling the bypass feed roller.

1. Set the timing belt to the pulley securely.
2. Do not put the wrong position when setting the timing belt.
3. Be sure to insert the clip into the groove of shaft.
4. Check that there is no stain such as oil on the surface of timing belt, the pulley and the roller.
5. Install the bypass pickup roller and the bypass feed roller in the correct direction.

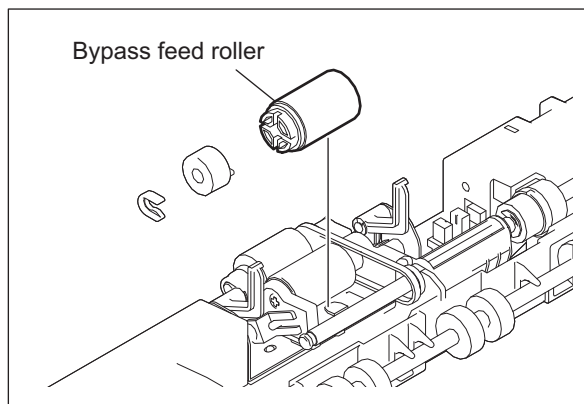



Fig. 4-138

4.5.8 Bypass transport roller

- (1) Take off the bypass upper unit.
 P. 4-48"4.5.6 Bypass upper unit"
- (2) Remove 1 E-ring and slide the bushing to the inner side.

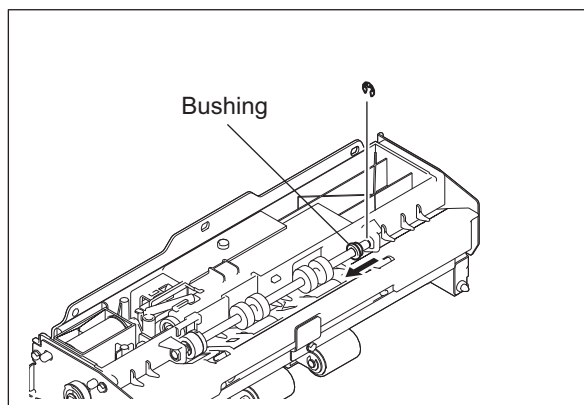


Fig. 4-139

- (3) Move the shaft to the right side and remove the left bushing. Then take off the bypass transport roller.

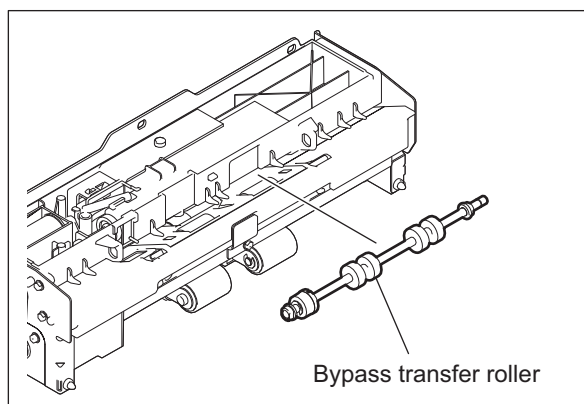


Fig. 4-140

4.5.9 Bypass motor(M12)

- (1) Take off the bypass feed unit.
☞ P. 4-45"4.5.2 Bypass feed unit"
- (2) Remove 1 belt, 1 E-ring, 1 pulley and 1 bushing.

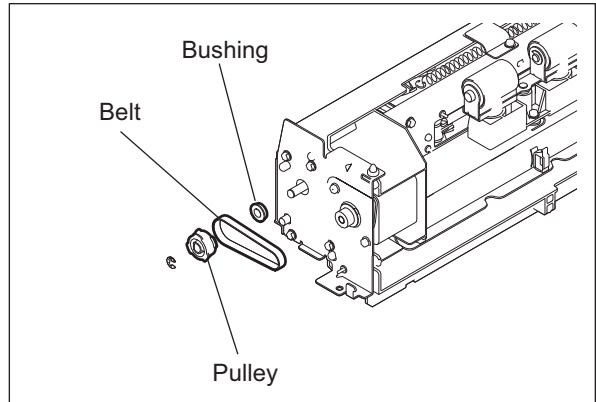


Fig. 4-141

- (3) Remove 1 screw and the grounding wire.

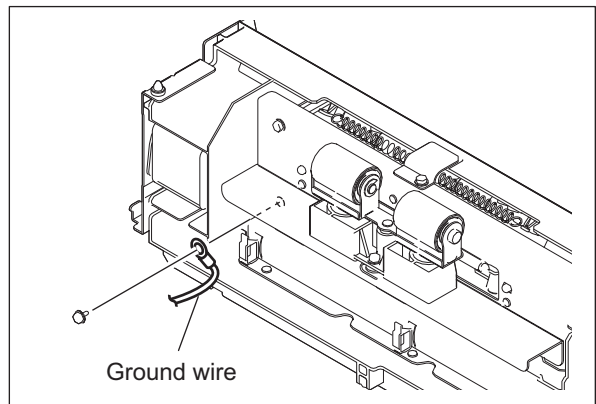


Fig. 4-142

- (4) Remove 4 screws and a bracket.

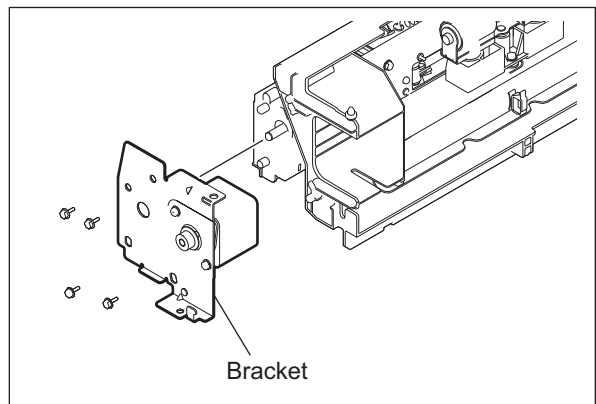


Fig. 4-143

- (5) Remove 2 screws and then take off the bypass motor.

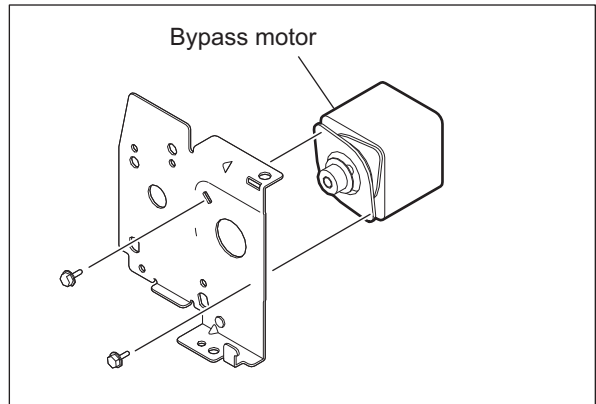


Fig. 4-144

4.5.10 1st drawer idling roller

- (1) Take off the bypass feed unit.
P. 4-45"4.5.2 Bypass feed unit"
- (2) Remove 1 screw and take off the 1st drawer idling roller unit.

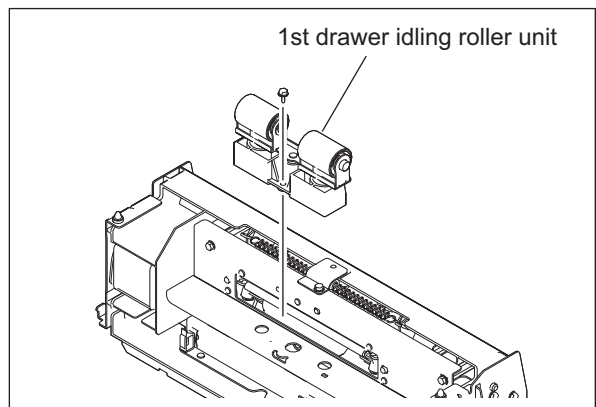


Fig. 4-145

- (3) Remove 2 screws and take off the roller assembly.

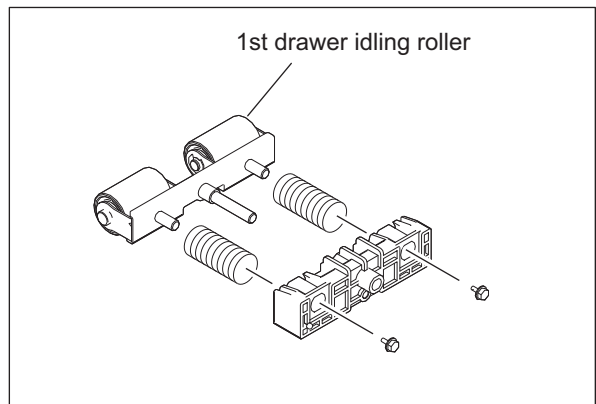


Fig. 4-146

- (4) Remove the 2 E-rings and take off the idling roller.

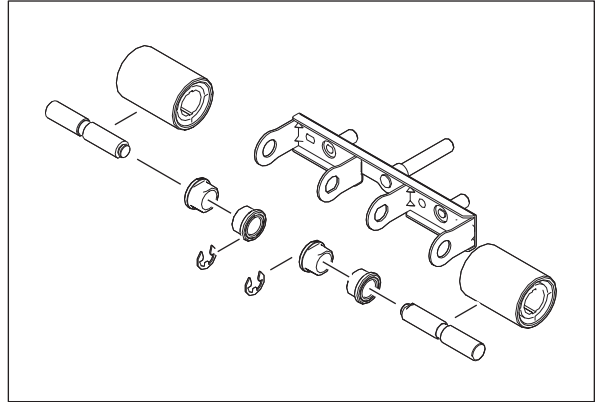


Fig. 4-147

Notes:

1. When assembling the unit, pay attention to the orientation of the bracket.
2. After the unit was assembled, perform position adjustment of the media sensor.

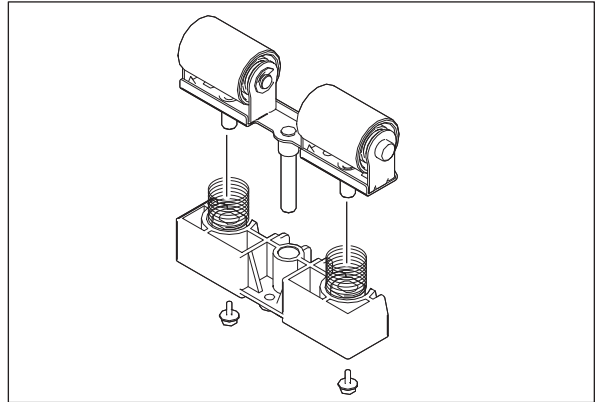



Fig. 4-148

4.5.11 Bypass separation roller

- (1) Take off the bypass feed unit.
 P. 4-45 "4.5.2 Bypass feed unit"
- (2) Remove 1 screw and take off the bracket.

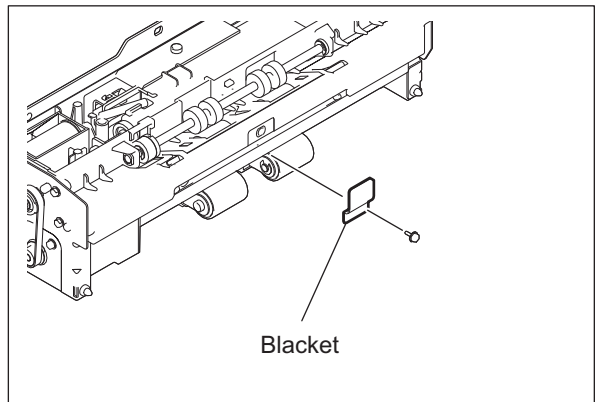


Fig. 4-149

- (3) Remove 4 screws and take off the SFB lower unit.

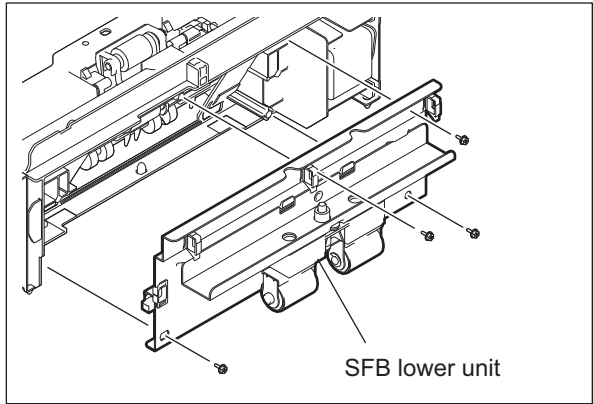


Fig. 4-150

- (4) Disconnect 1 connector, remove 2 screws and take off the SFB lower guide.

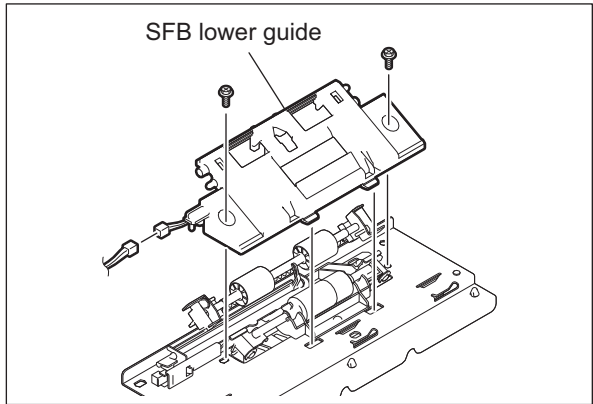


Fig. 4-151

- (5) Remove 2 screws and take off the SFB lower guide.

Notes:

Make sure not to damage the latch of the holder.

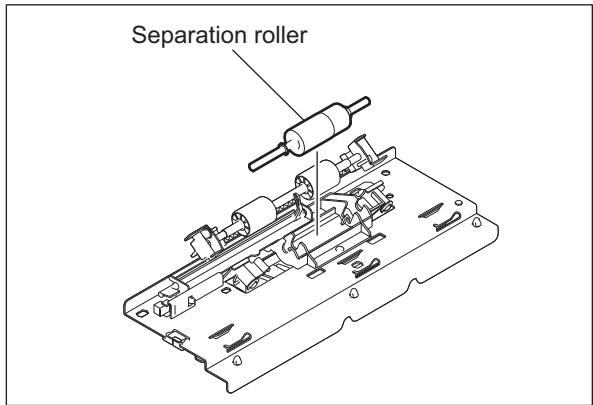



Fig. 4-152

4.5.12 Bypass feed sensor (S72)

- (1) Take off the SFB lower unit.
 P. 4-52"4.5.11 Bypass separation roller"
- (2) Disconnect 1 connector and release 3 latches. Then take off the bypass feed sensor by pushing its actuator.

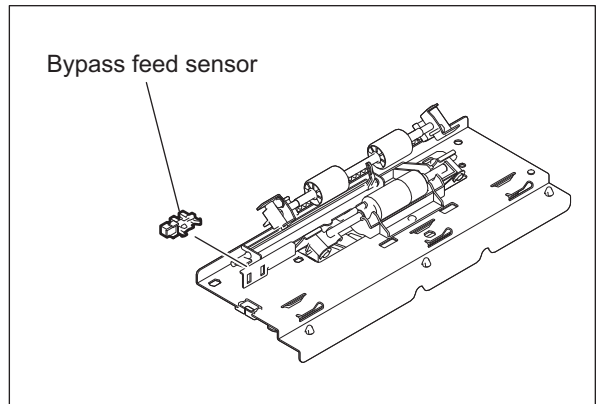



Fig. 4-153

4.5.13 Bypass paper size detection sensor (S70)

- (1) Take off the bypass feed tray.
 P. 4-45"4.5.1 Bypass feed tray"
- (2) Remove 5 screws and take off the upper tray.

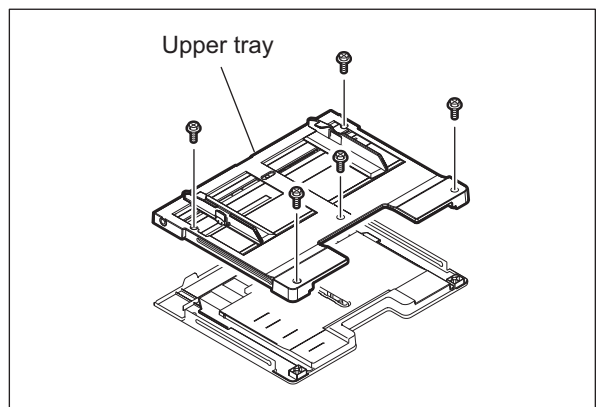


Fig. 4-154

- (3) Remove 1 screw and remove a plate spring.

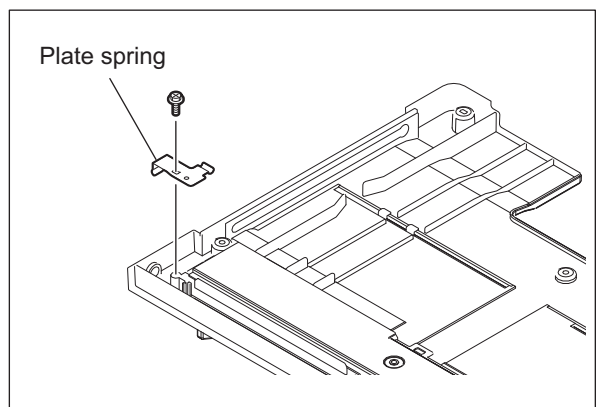


Fig. 4-155

- (4) Remove 1 screw and take off the bracket.

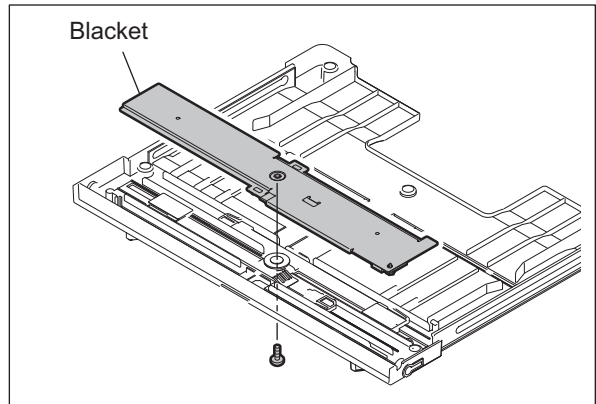


Fig. 4-156

- (5) Disconnect 1 connector and remove 1 screw. Then take off the bypass paper size detection sensor.

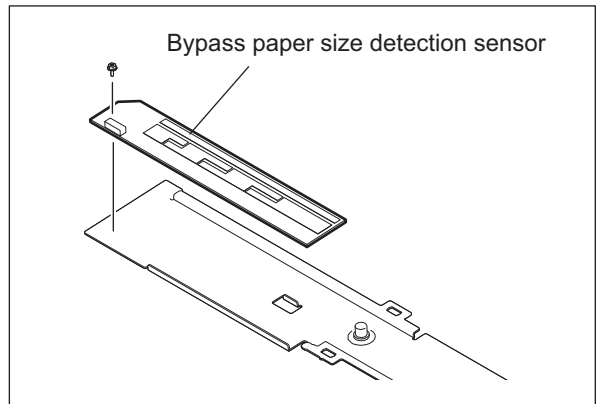


Fig. 4-157

4.5.14 Drawer feeding unit

- (1) Open the duplexing unit and the feed cover.
(2) Remove 1 clip and take off the feed cover.

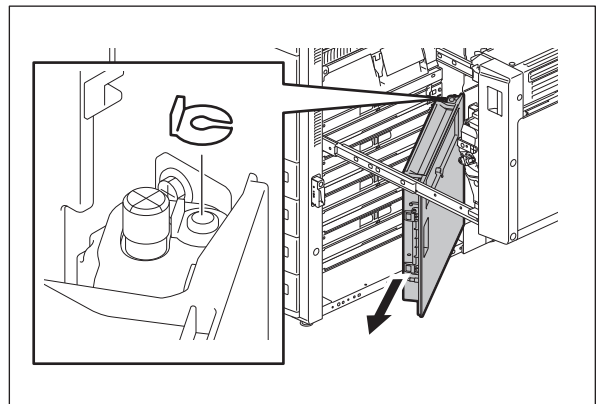


Fig. 4-158

- (3) Pull out the drawer.
- (4) Disconnect 1 connector and remove 2 screws. Then take off the drawer feeding unit.

Notes:

When taking off the drawer feeding unit of the 1st drawer, perform position adjustment for the media sensor after the unit was reinstalled.

📖 P. 6-83"6.7.1 Adjustment of the media sensor position"

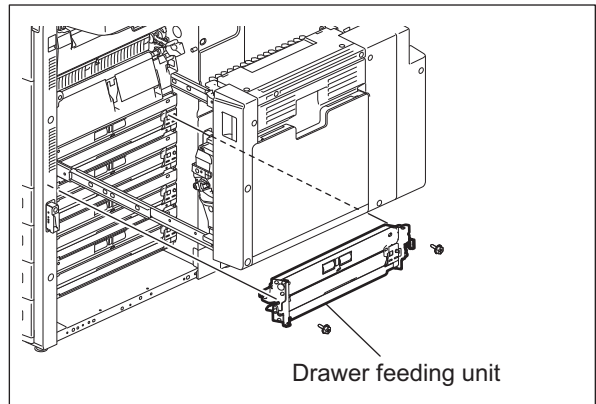


Fig. 4-159

4.5.15 Feed roller

- (1) Take off the drawer feeding unit.
📖 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Remove 1 clip. Press down the lever and take off the feed roller.

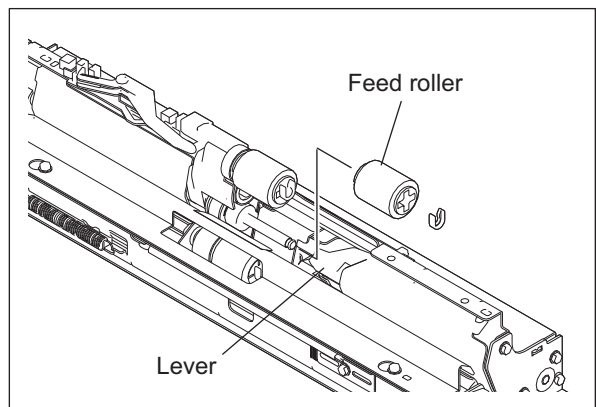


Fig. 4-160

4.5.16 Pickup roller

- (1) Take off the drawer feeding unit.
📖 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Remove 1 clip and take off the pickup roller.

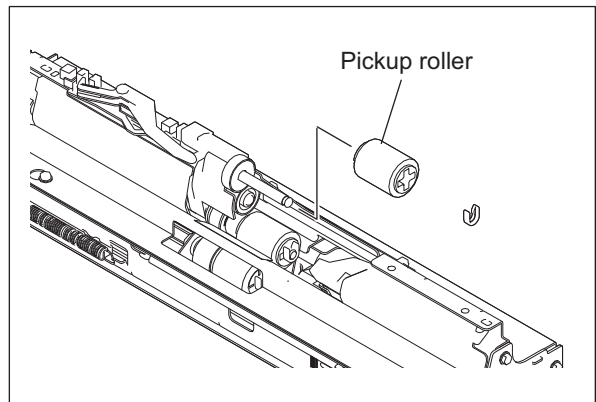



Fig. 4-161

4.5.17 Separation roller

- (1) Take off the drawer feeding unit.
 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Loosen 2 screws and take off the paper guide A.
- (3) Remove 1 clip and take off the separation roller.

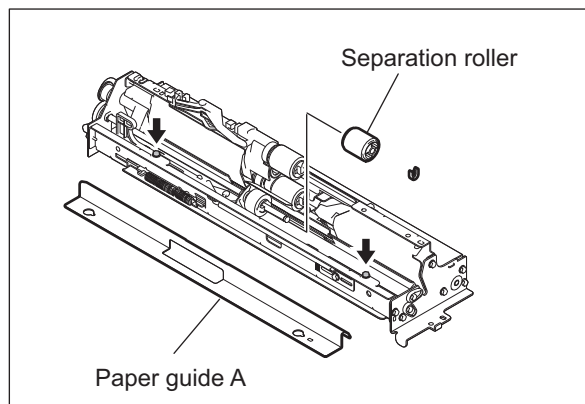



Fig. 4-162

4.5.18 Transport roller

- (1) Take off the drawer feeding unit.
 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Loosen 2 screws and take off the paper guide A.

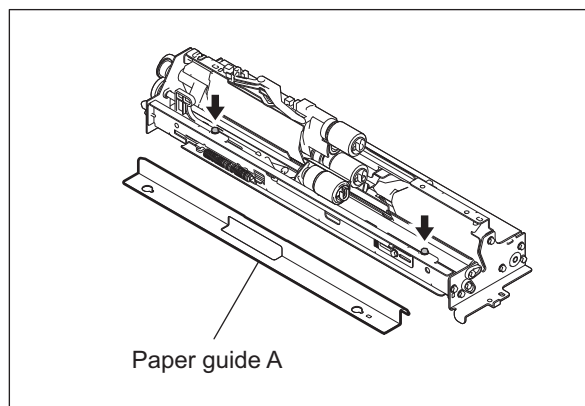


Fig. 4-163

- (3) Remove 2 screws and 2 holder, and then take off the paper guide B and paper guide C.

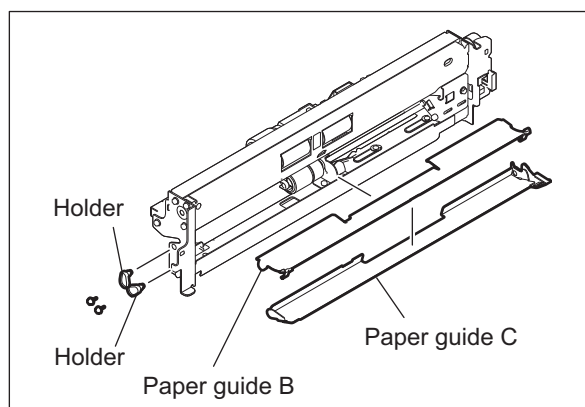


Fig. 4-164

- (4) Remove 1 screw and then take off the bracket.

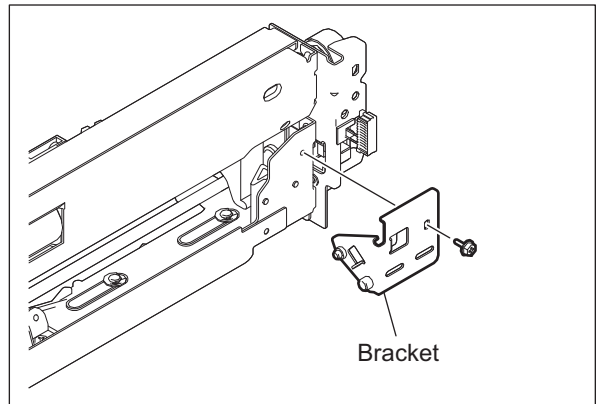


Fig. 4-165

- (5) Disconnect 1 connector and remove 1 screw. Then take off the sensor cover.

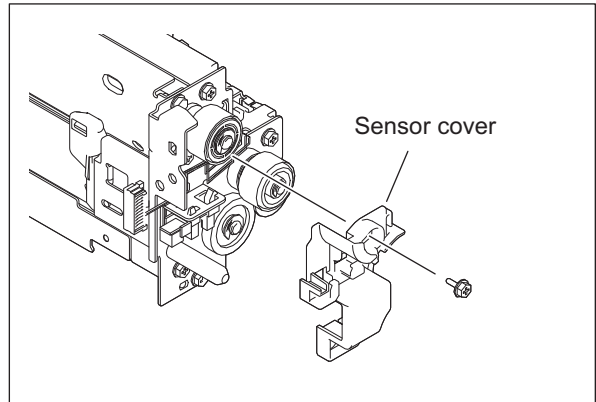


Fig. 4-166

- (6) Remove 1 E-ring and the gear.

Notes:

When assembling the unit, pay attention to the orientation of the gear.

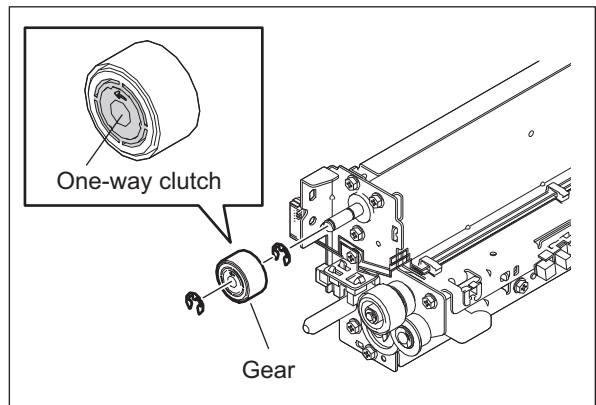


Fig. 4-167

- (7) Remove 4 screws, and then take off the paper guide D.

Notes:

When reassembling, make sure the boss of the paper guide is securely inserted into the hole of the plate.

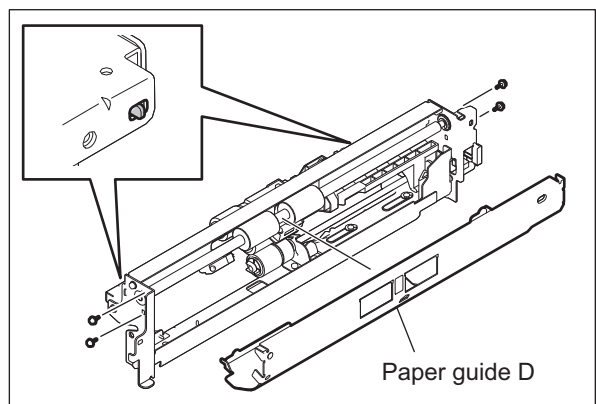


Fig. 4-168

- (8) Remove 1 E-ring and slide the bearing to the inner side. Then take off the transport roller.

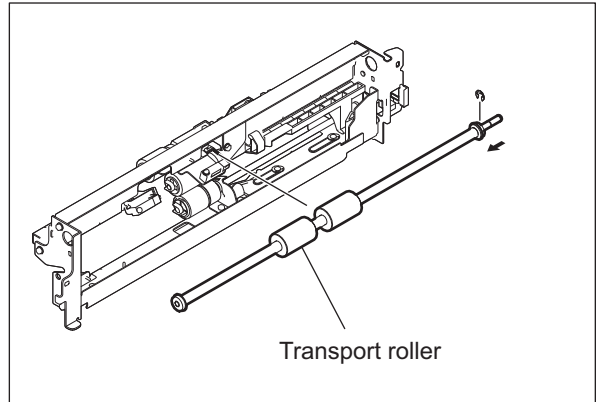


Fig. 4-169

4.5.19 Drawer detection sensor (S73/S81/S89/S97)

- (1) Take off the drawer feeding unit.
P. 4-55 "4.5.14 Drawer feeding unit"
- (2) Disconnect 1 connector and remove 1 screw. Then take off the sensor cover.

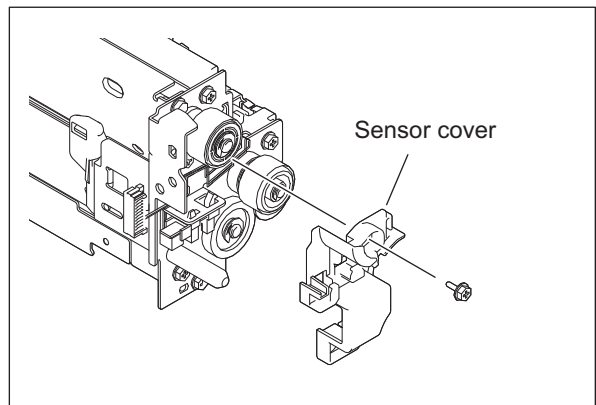


Fig. 4-170

- (3) Release 3 latches and take off the drawer detection sensor.

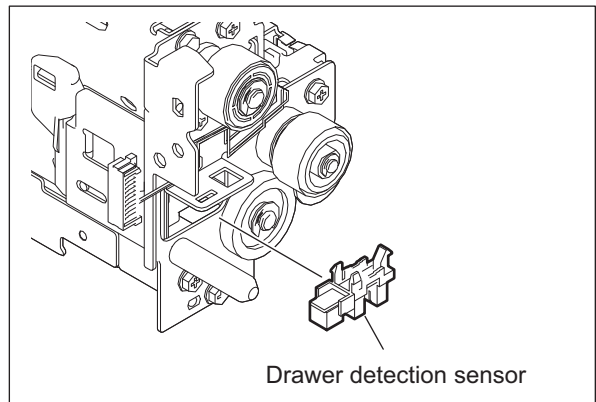



Fig. 4-171

4.5.20 Drawer feed sensor (S78/S86/S94/S102)

- (1) Take off the drawer feeding unit.
 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Remove 1 screw and 1 clamp. Then take off the sensor bracket.

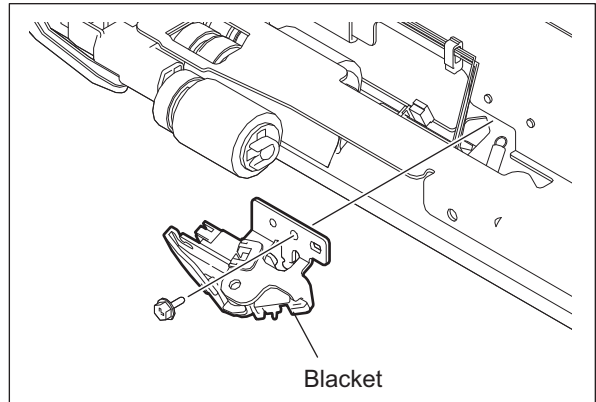


Fig. 4-172

- (3) Disconnect 1 connector and remove 1 screw. Then take off the drawer feed sensor.

Notes:

When installing the sensors, make sure that the protrusion of each sensor is inserted into the hole of the bracket securely.

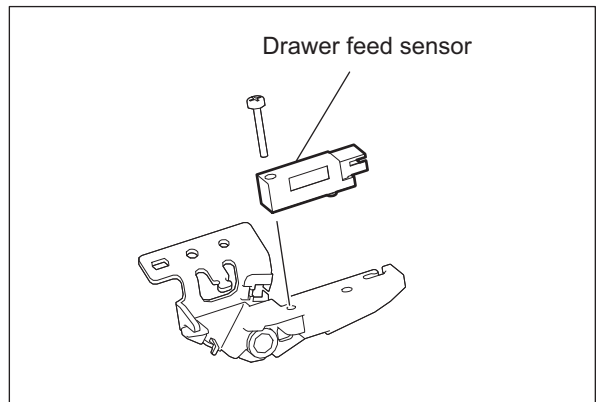



Fig. 4-173

4.5.21 Drawer transport sensor (S77/S85/S93/S101)

- (1) Take off the drawer feeding unit.
 P. 4-55"4.5.14 Drawer feeding unit"
- (2) Disconnect 1 connector and remove 1 screw. Then take off the sensor bracket.

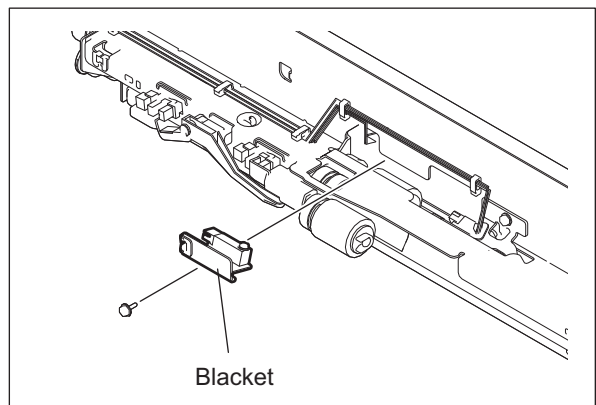


Fig. 4-174

- (3) Disconnect 1 connector and remove 1 screw. Then take off the drawer transport sensor.

Notes:

When installing the sensors, make sure that the protrusion of each sensor is inserted into the hole of the bracket securely.

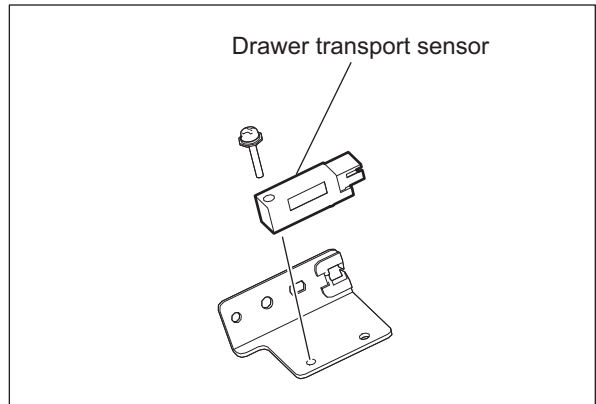


Fig. 4-175

4.5.22 Drawer empty sensor (S75/S83/S91/S99)

- (1) Take off the drawer feeding unit.
P. 4-55"4.5.14 Drawer feeding unit"
- (2) Disconnect 1 connector and release 3 latches. Then take off the drawer empty sensor.

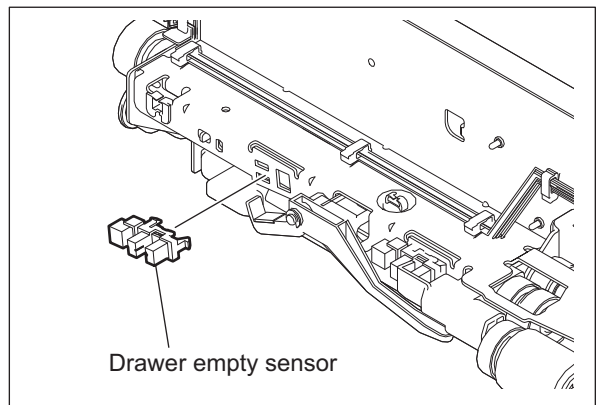


Fig. 4-176

4.5.23 Drawer tray-up sensor (S76/S84/S92/S100)

- (1) Take off the drawer feeding unit.
P. 4-55"4.5.14 Drawer feeding unit"
- (2) Disconnect 1 connector and release 3 latches. Then take off the drawer tray-up sensor.

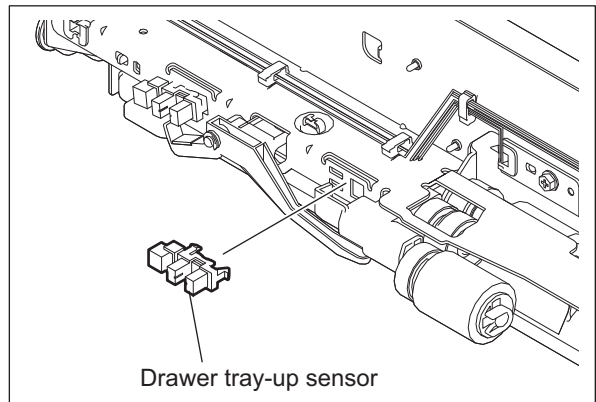


Fig. 4-177

4.5.24 Drawer bottom sensor (S74/S82/S90/S98)

- (1) Take off all the drawers.
P. 4-68"4.5.33 Drawer"
- (2) Disconnect 1 connector and release 3 latches. Then take off the drawer bottom sensor.

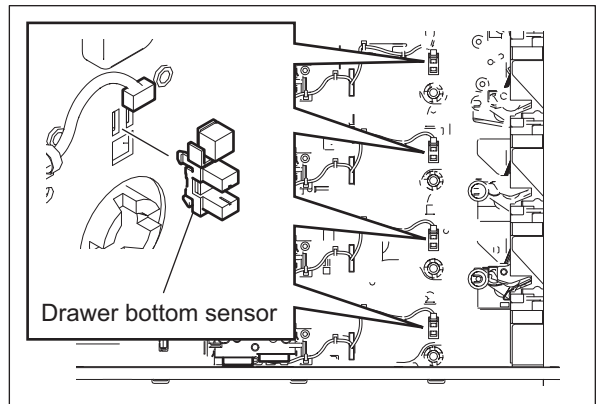


Fig. 4-178

4.5.25 Registration roller (Rubber)

- (1) Take off the 2nd transfer roller front guide.
P. 4-154"4.7.14 2nd transfer unit (TRU)"
- (2) Remove 2 screws 2 springs and 2 holders.

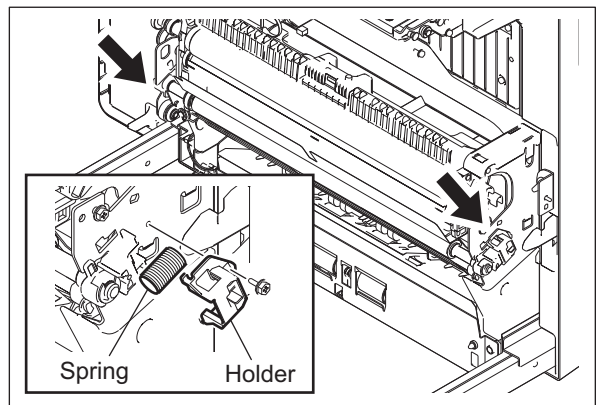


Fig. 4-179

- (3) Take off the registration roller (rubber).

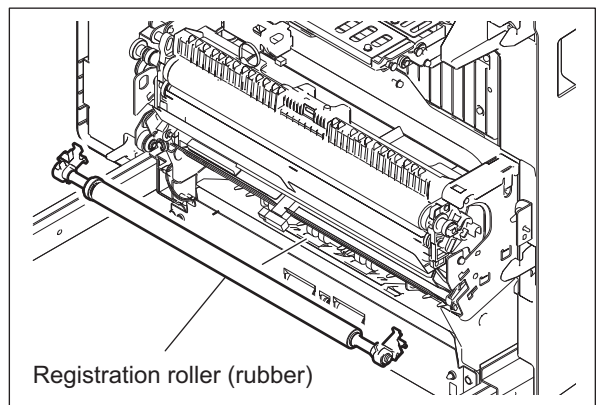


Fig. 4-180

- (4) Remove 2 holders, 2 bearings, 3 E-rings, 1 gear, 1 ground plate and 1 pin from the registration roller.

Notes:

Make sure that the holders and the bearings are installed in a correct position because those for the front side differ from those for the rear side.

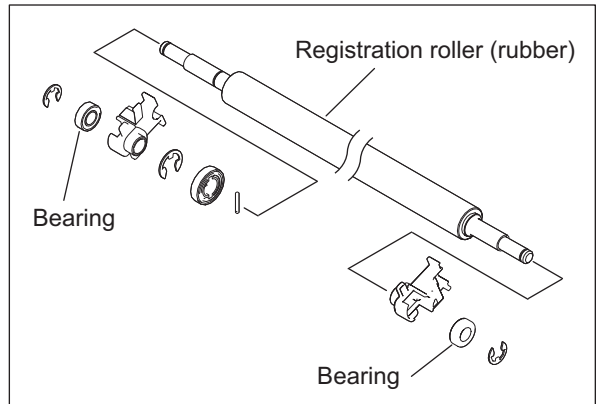


Fig. 4-181

4.5.26 Paper dust cleaning brush (registration roller)

- (1) Take off the 2nd transfer unit.
 P. 4-154 "4.7.14 2nd transfer unit (TRU)"
- (2) Remove 2 screws and slide the bracket of the brush toward you.
- (3) Take off the paper dust cleaning brush quietly not to hit the bracket to the registration roller.

Notes:

Clean paper dust on the brush, if any.

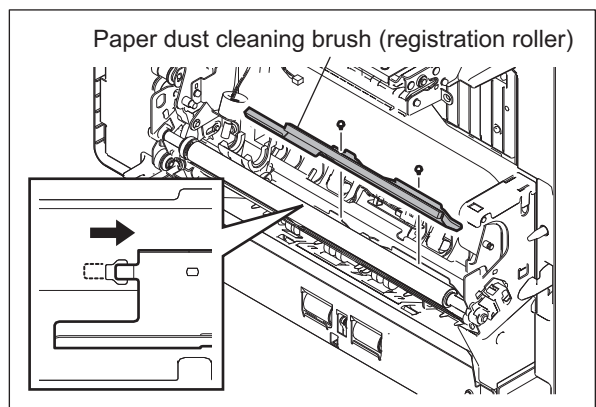


Fig. 4-182

4.5.27 Registration guide

- (1) Open the duplexing unit.
- (2) Remove 3 screws and slide the registration guide slightly to the rear side to release the front hook.

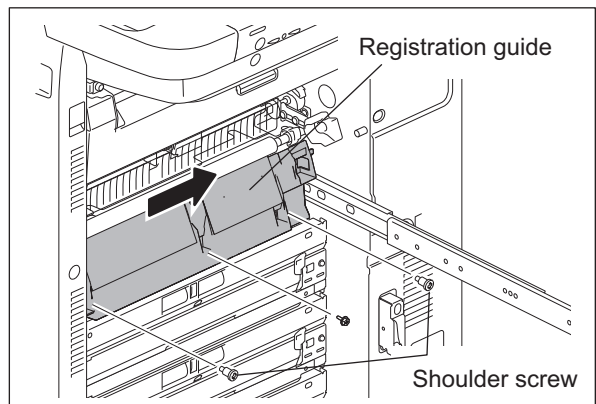


Fig. 4-183

- (3) Disconnect 1 connector. Then take off the registration guide.

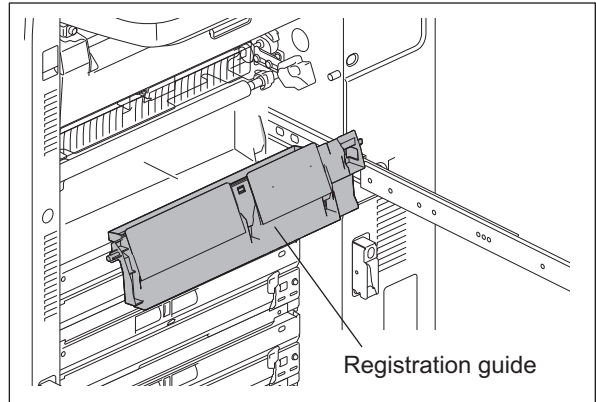



Fig. 4-184

4.5.28 Registration sensor (S52)

- (1) Take off the registration guide.
 P. 4-63 "4.5.27 Registration guide"
- (2) Remove 3 screws and the paper dust receiving tray.

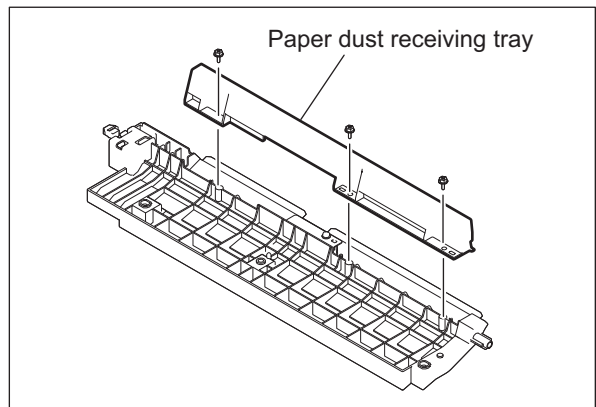


Fig. 4-185

- (3) Disconnect 1 connector and remove 1 screw. Then take off the registration sensor.

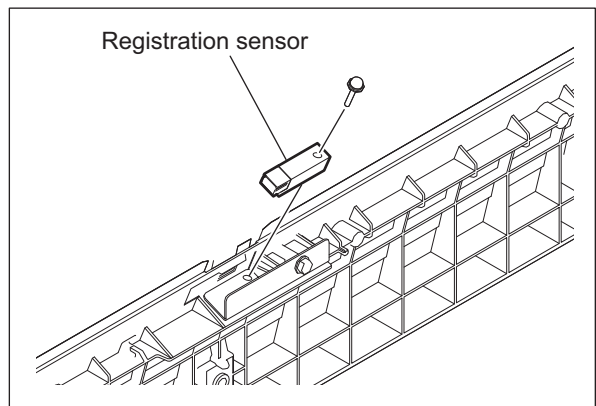


Fig. 4-186

4.5.29 Registration roller (Metal)

- (1) Take off the registration guide.
📖 P. 4-63"4.5.27 Registration guide"
- (2) Take off the registration motor.
📖 P. 4-69"4.5.35 Registration motor (M39)"
- (3) Take off the laser unit cooling duct.
📖 P. 4-38"4.4.2 Laser optical unit cooling fan (front) (F22)"
- (4) Remove 1 E-ring on the front side and remove the bearing.

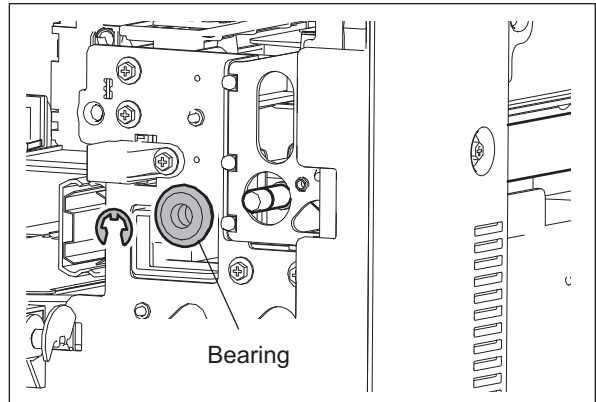


Fig. 4-187

- (5) Take off the registration roller (metal) by sliding it to the rear side and pulling it out toward you.

Notes:

When removing the registration roller (metal), be careful not to hit the roller gear on the rear side to the frame because it may scratch the roller.

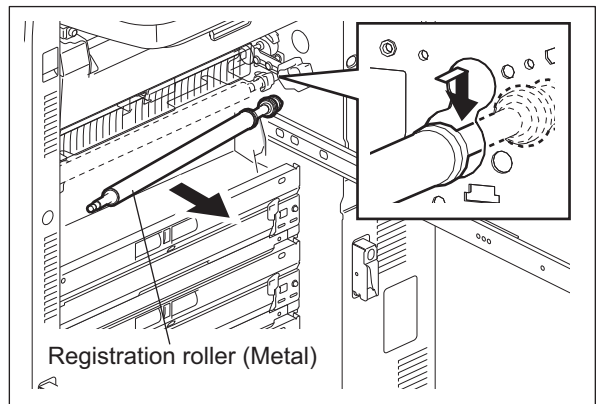


Fig. 4-188

4.5.30 2nd transfer side paper clinging detection sensor (S51)

- (1) Take off the 2nd transfer unit.
📖 P. 4-154"4.7.14 2nd transfer unit (TRU)"
- (2) Disconnect 1 connector and remove 1 screw. Then take off the sensor holder.

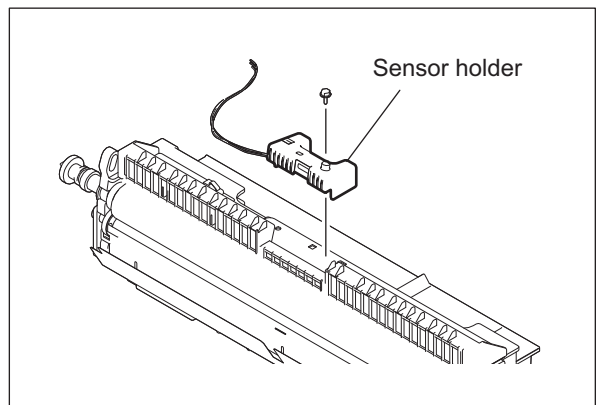


Fig. 4-189

- (3) Remove 1 screw and then take off the 2nd transfer side paper clinging detection sensor.

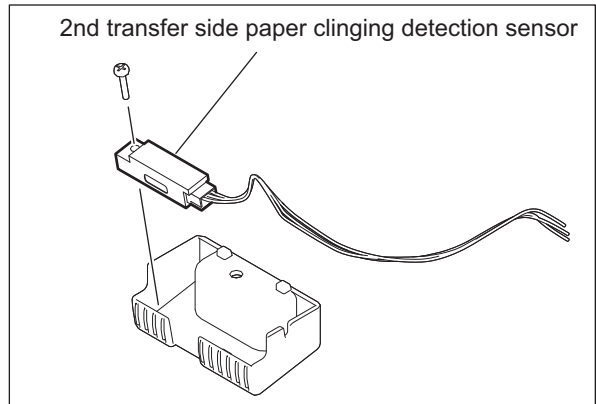


Fig. 4-190

Notes:

When installing the sensor holder, screw it in while pressing it in the direction of the arrow.

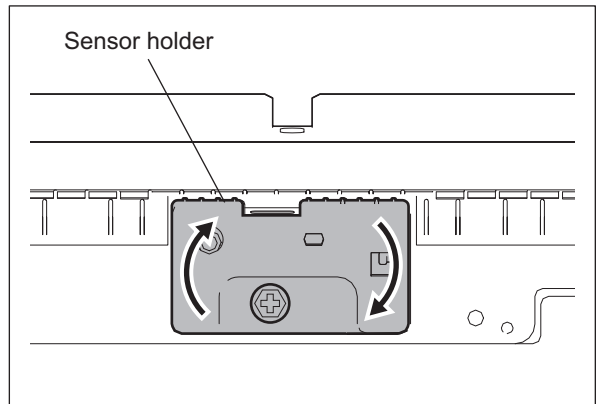


Fig. 4-191

4.5.31 Media sensor (S69)

- (1) Open the duplexing unit.
(2) Remove 1 screw and take off the SFB lower cover.

Notes:

When the optional LCF is installed, be sure to install the cover with the duplexing unit opened wider than the LCF.

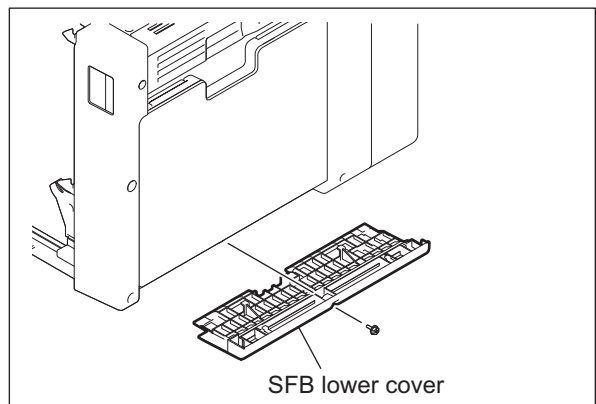


Fig. 4-192

- (3) Remove or fully loosen the adjustment screw.

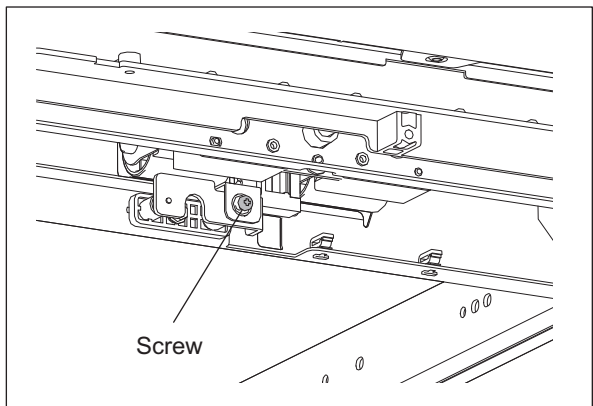


Fig. 4-193

- (4) Disconnect 1 connector.
- (5) Remove 1 screw and take off the media sensor by tilting it down.

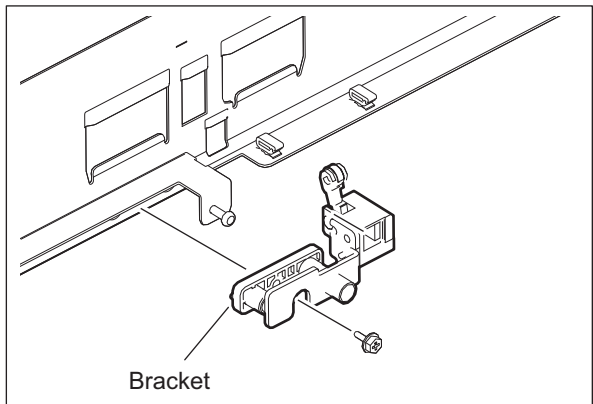


Fig. 4-194

- (6) Disconnect 1 connector.
- (7) Remove 2 screw and take off the media sensor.

Notes:

1. When the media sensor (S69) is replaced, perform position adjustment for a new sensor after it was installed. P. 6-83"6.7.1 Adjustment of the media sensor position"
2. When installing, be sure that the 2 dowels of the bracket sensor are inserted correctly.

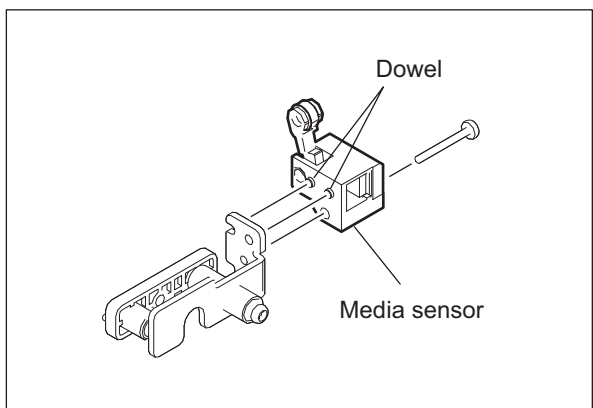


Fig. 4-195

3. After the sensor is installed, be sure that both sides of the sensor installation hole (fig. A) are not in contact with the sensor.

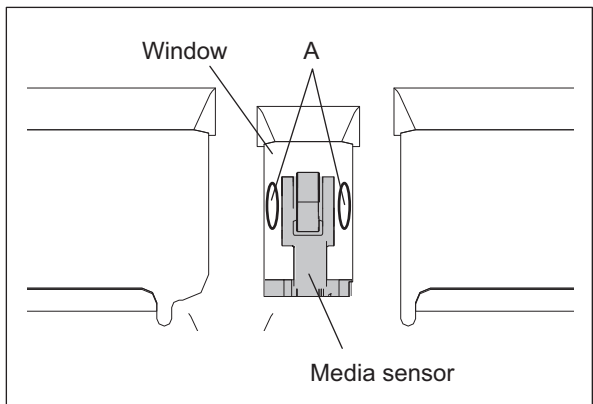


Fig. 4-196

4.5.32 Feed cover sensor (S114)

- (1) Open the feed cover.
- (2) Take off the sensor cover by pushing the latch on its upper side.

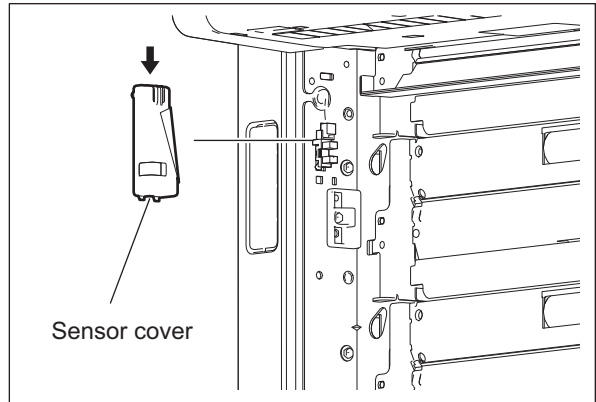


Fig. 4-197

- (3) Disconnect 1 connector and release 3 latches. Then take off the feed cover sensor.

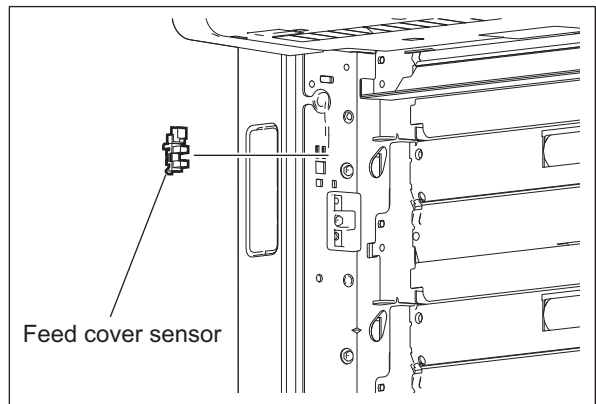


Fig. 4-198

4.5.33 Drawer

- (1) Pull out the drawer and remove paper in it.
- (2) Remove 3 screws and take off the drawer.

Notes:

When installing, engage the left roller of the drawer with the rail of the equipment, and then place the right roller on the rail.

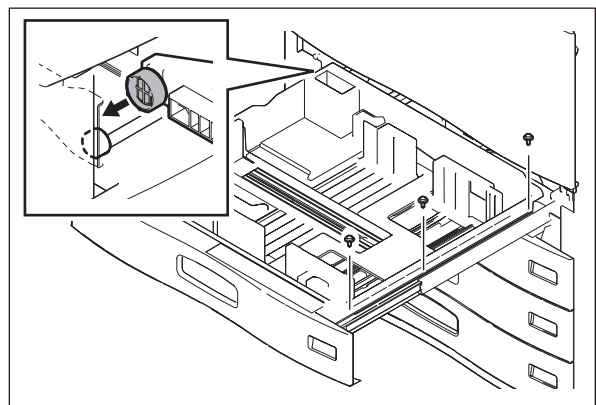


Fig. 4-199

4.5.34 Drawer paper size detection sensor-1/2 (S79/S80/S87/S88/S95/S96/S103/S104)

- (1) Take off all the drawers.
P. 4-68"4.5.33 Drawer"
- (2) Disconnect 1 connector and release 2 hooks. Then take off each sensor.

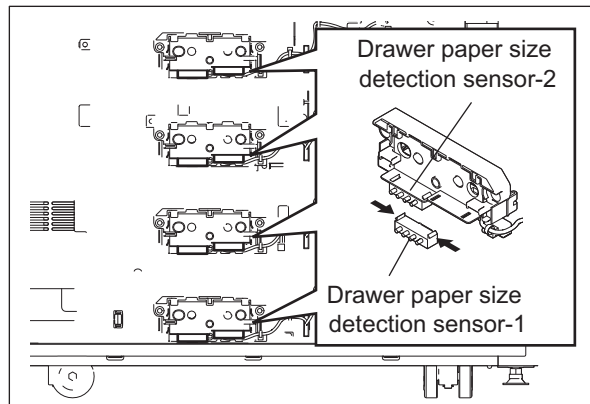


Fig. 4-200

4.5.35 Registration motor (M39)

- (1) Open the SYS board case.
P. 9-2"9.1.3 SYS board case"
- (2) Disconnect 1 connector and remove 3 screws. Then take off the registration motor with the bracket.

Notes:

When installing the motor, make sure that the belt is hung on the gear and the pulley of the motor securely.

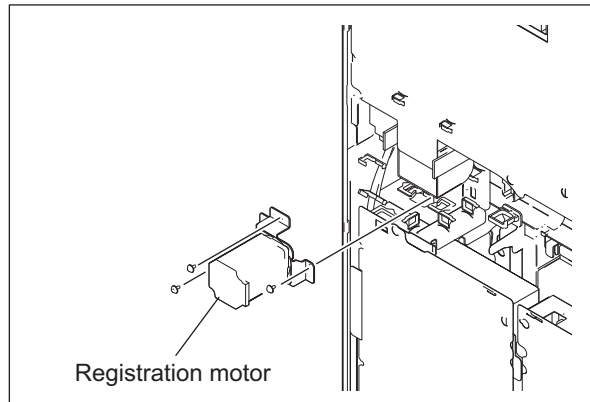


Fig. 4-201

- (3) Remove 2 screws and then take off the registration motor.

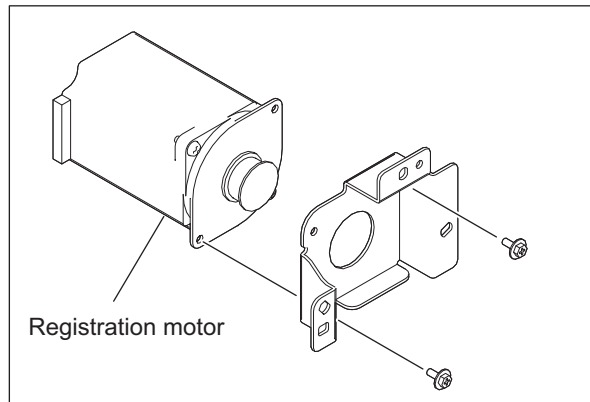



Fig. 4-202

4.5.36 Feed/transport drive unit

- (1) Open the PFC board case.
 P. 9-8"9.1.9 PFC board case"
- (2) Disconnect 3 connectors and remove 4 screws. Then take off the feed/transport drive unit.

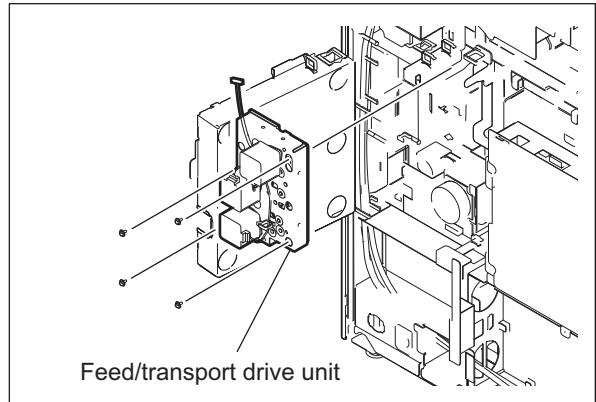



Fig. 4-203

4.5.37 Transport motor-1 (M40)

- (1) Take off the feed/transport drive unit.
 P. 4-70"4.5.36 Feed/transport drive unit"
- (2) Remove 4 screws and a plate.

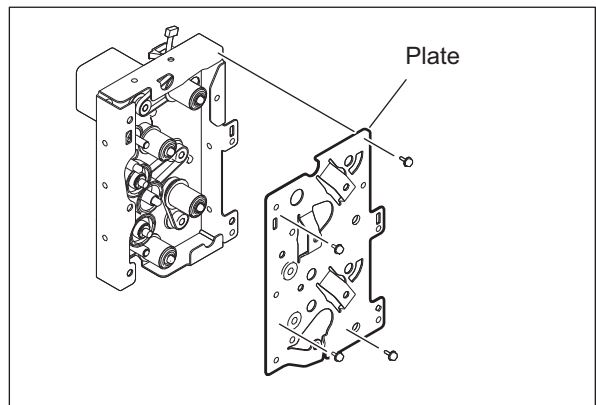


Fig. 4-204

- (3) Remove 2 screws and then take off the transport motor-1.

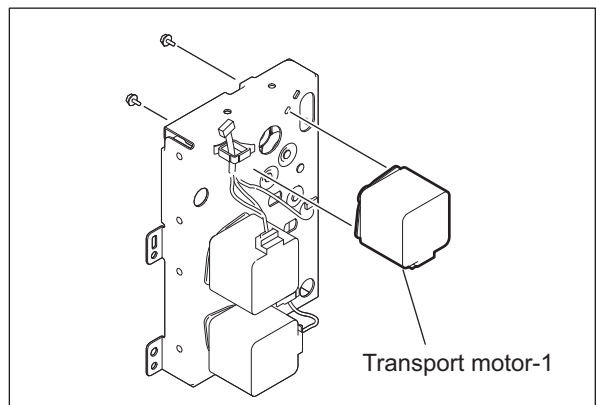


Fig. 4-205

4.5.38 Transport motor-2 (M41)

- (1) Take off a plate.
📖 P. 4-70"4.5.37 Transport motor-1 (M40)"
- (2) Remove 2 screws and then take off the transport motor-2.

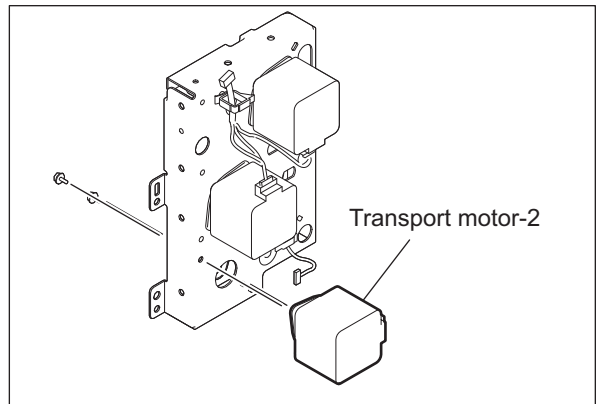


Fig. 4-206

4.5.39 Feed motor (M42)

- (1) Take off a plate.
📖 P. 4-70"4.5.37 Transport motor-1 (M40)"
- (2) Remove 2 screws and then take off the feed motor.

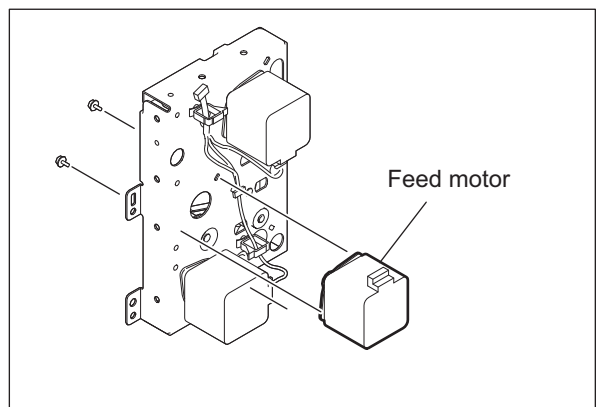


Fig. 4-207

4.5.40 Feed/transport motor (M43)

- (1) Open the PFC board case.
📖 P. 9-8"9.1.9 PFC board case"
- (2) Remove 4 screws and take off the feed/transport motor [1].

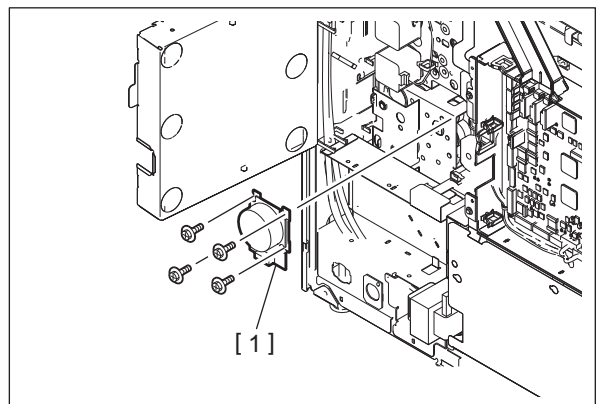



Fig. 4-208

4.5.41 Paper feed drive unit

- (1) Open the PFC board case.
 P. 9-8"9.1.9 PFC board case"
- (2) Disconnect 3 connectors and remove 4 screws. Then take off the paper feed drive unit [1].

Notes:

The number of clutches in the paper feed drive unit of the Tandem LCF model differs from that of the 4-drawer model.

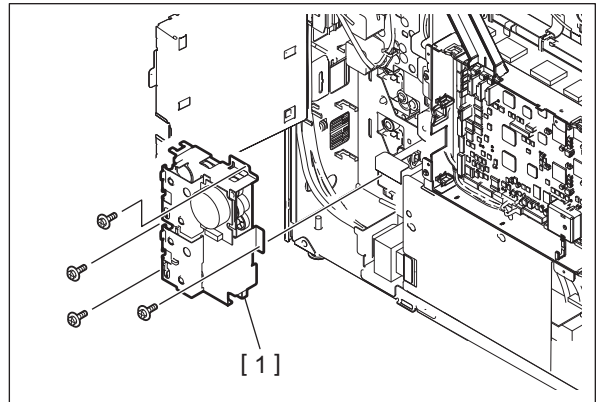



Fig. 4-209

4.5.42 3rd drawer transport clutch (CLT4)/3rd drawer feed clutch (CLT5) (e-STUDIO5540C/6540C/6550C)

- (1) Take off the paper feed drive unit.
 P. 4-72"4.5.41 Paper feed drive unit"
- (2) Remove 2 screws and take off the bracket.

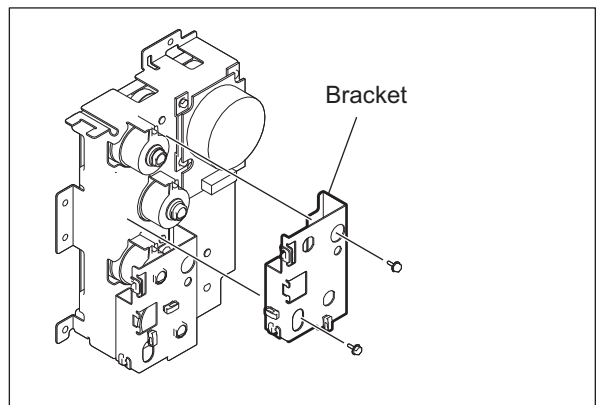


Fig. 4-210

- (3) Take off the 3rd drawer transport clutch and 3rd drawer feed clutch.

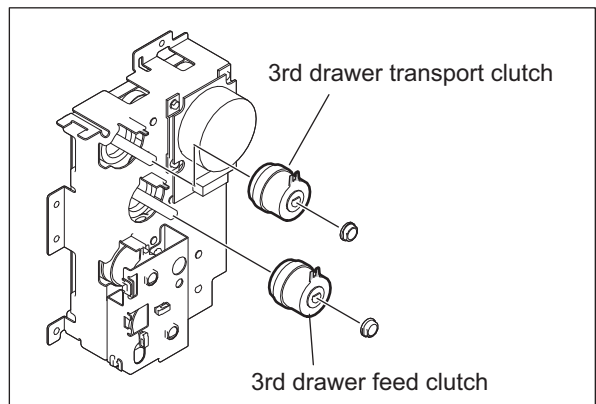


Fig. 4-211

4.5.43 3rd drawer transport clutch (CLT4)/3rd drawer feed clutch (CLT5) (e-STUDIO5560C/6560C/6570C)

- (1) Take off the paper feed drive unit.
 P. 4-72"4.5.41 Paper feed drive unit"
- (2) Remove 2 screws and take off the bracket[1].

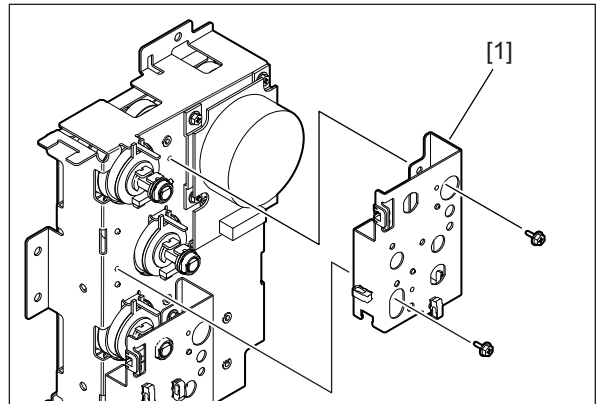


Fig. 4-212

- (3) Disconnect 1 connector[1].
Remove 1 bushing[4] and 2 clips[3].
Take off the 3rd drawer transport clutch[2].
- (4) Disconnect 1 connector[5].
Remove 1 bushing[4] and 2 clips[3].
Take off the 3rd drawer feed clutch[6].

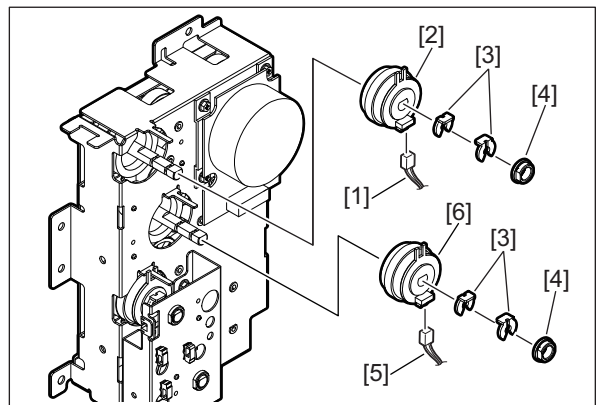


Fig. 4-213

Notes:

- When installing, be sure to align the protrusion of the clutch to the position shown in the figure.
- The color of the harnesses for the drawer transport clutch and for the drawer feed clutch is different. When installing, be sure to attach the corresponding harness.
 Black: 3rd drawer transport clutch[1]
 Red: 3rd drawer feed clutch[2]

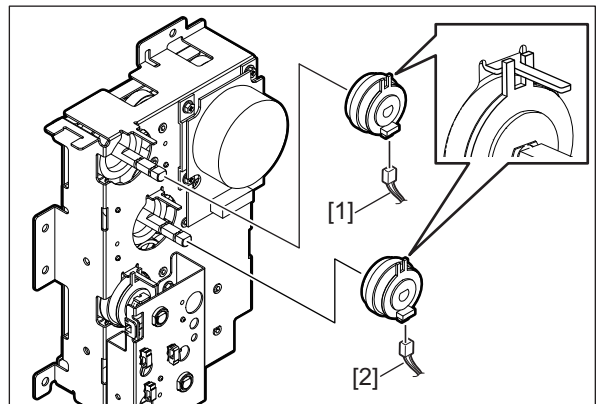


Fig. 4-214

4.5.44 4th drawer transport clutch (CLT6)/4th drawer feed clutch (CLT7) (e-STUDIO5540C/6540C/6550C)

- (1) Take off the paper feed drive unit.
P. 4-72"4.5.41 Paper feed drive unit"
- (2) Remove 2 screws and take off the bracket.

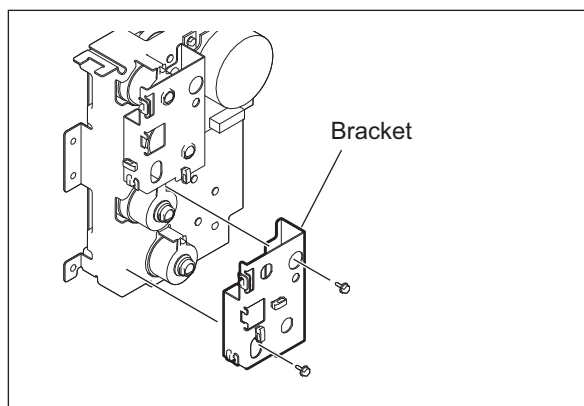


Fig. 4-215

- (3) Take off the 4th drawer transport clutch and 4th drawer feed clutch.

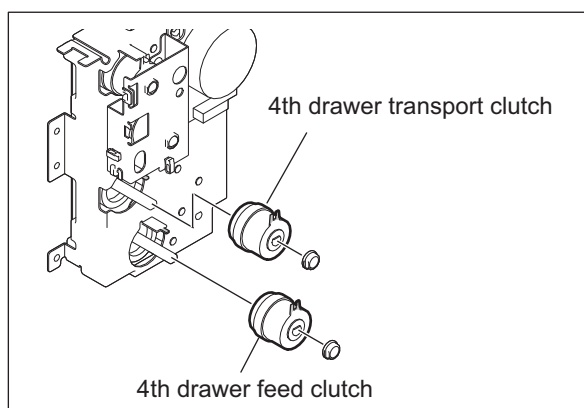


Fig. 4-216

4.5.45 4th drawer transport clutch (CLT6)/4th drawer feed clutch (CLT7) (e-STUDIO5560C/6560C/6570C)

- (1) Take off the paper feed drive unit.
P. 4-72"4.5.41 Paper feed drive unit"
- (2) Remove 2 screws and take off the bracket[1].

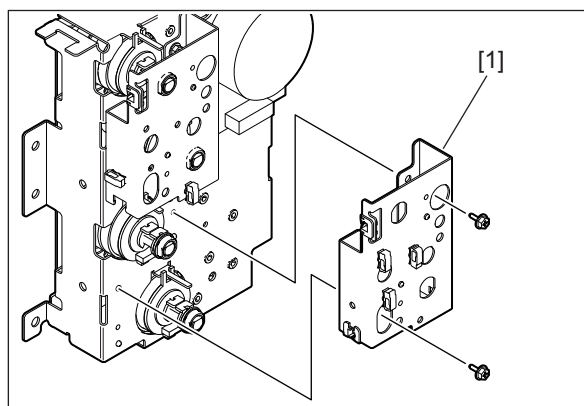


Fig. 4-217

- (3) Disconnect 1 connector[1].
Remove 1 bushing[4] and 2 clips[3].
Take off the 4th drawer transport clutch[2].
- (4) Disconnect 1 connector[5].
Remove 1 bushing[4] and 2 clips[3].
Take off the 4th drawer feed clutch[6].

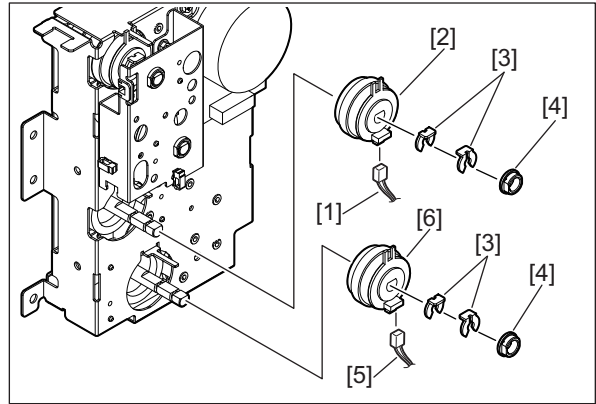


Fig. 4-218

Notes:

- 1. When installing, be sure to align the protrusion of the clutch to the position shown in the figure.
- 2. The color of the harnesses for the drawer transport clutch and for the drawer feed clutch is different. When installing, be sure to attach the corresponding harness. Yellow: 4th drawer transport clutch[1] Blue: 4th drawer feed clutch[2]

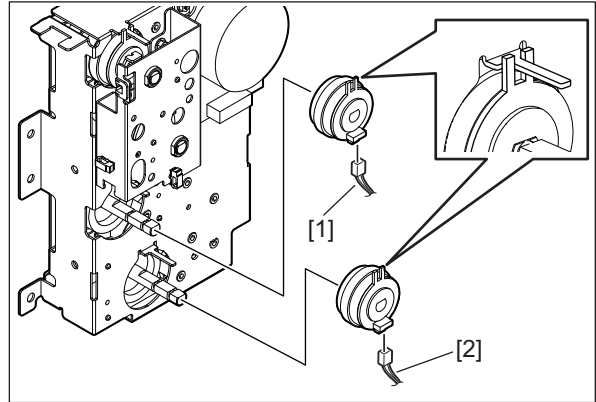


Fig. 4-219

4.5.46 Tray-up motor-1 (M44)

- (1) Remove the 1st and 2nd drawers.
- (2) Take off the PFC board case.
 P. 9-8"9.1.9 PFC board case"
- (3) Disconnect 1 connector and remove 4 screws. Then take off the tray drive unit [1].

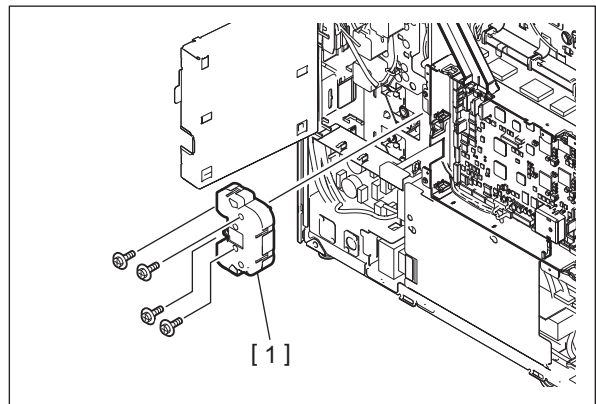


Fig. 4-220

- (4) Place the unit with its coupling up and release 6 latches to take off the cover.

Notes:

Be careful in taking off the cover because there is a spring in the tray drive unit.

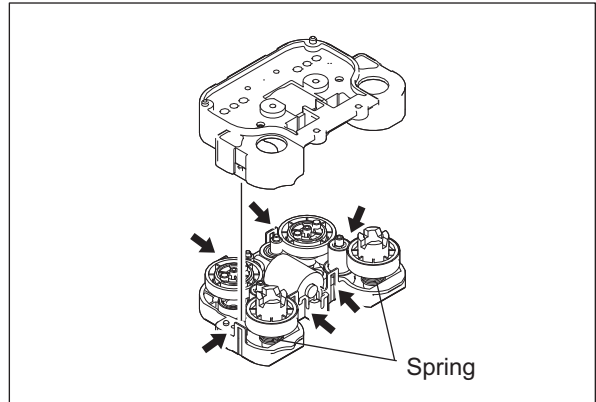


Fig. 4-221

- (5) Take off the tray-up motor.

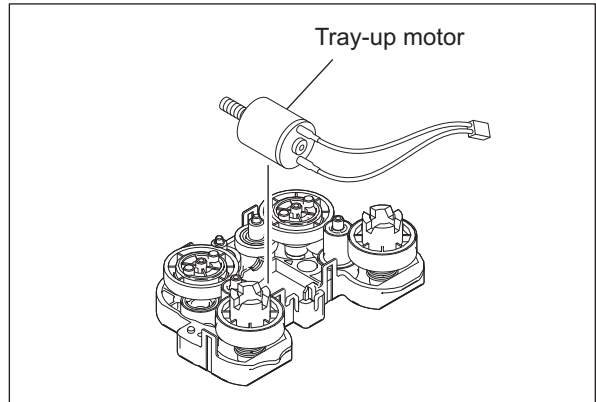


Fig. 4-222

Notes:

Match the boss of the gear with the hole of the cover when installing the motor.

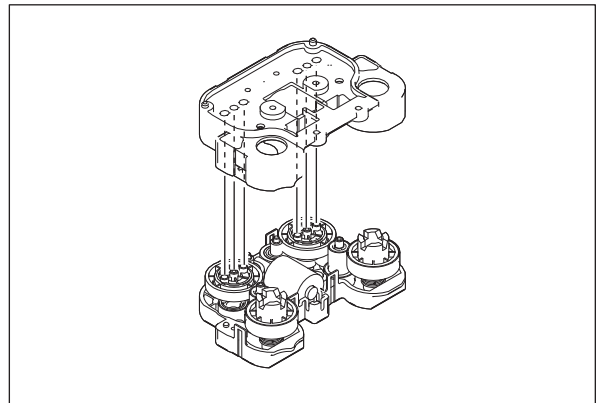


Fig. 4-223

4.5.47 Tray-up motor-2 (M45)

- (1) Remove the 3rd and 4th drawers or tandem LCF.
- (2) Take off the FIL board case.
P. 9-21 "9.1.18 FIL board"
- (3) Disconnect 1 connector and remove 3 screws. Then take off the tray drive unit [1].

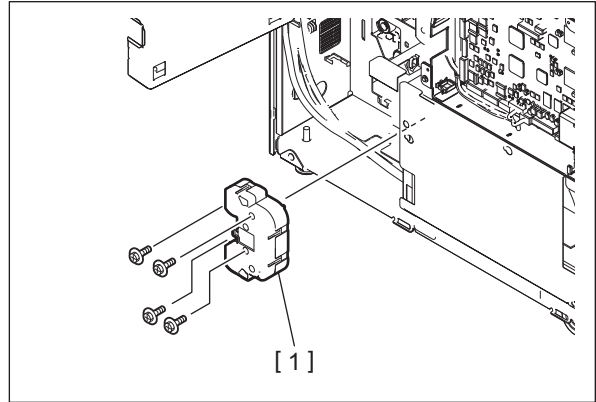


Fig. 4-224

- (4) Place the unit with its coupling up and release 6 latches to take off the cover.

Notes:

Be careful in taking off the cover because there is a spring in the tray drive unit.

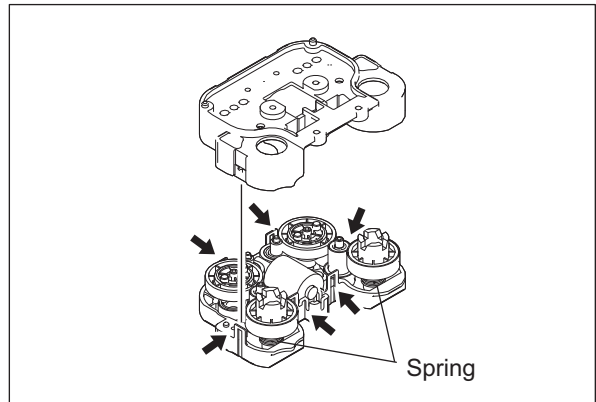


Fig. 4-225

- (5) Take off the tray-up motor.

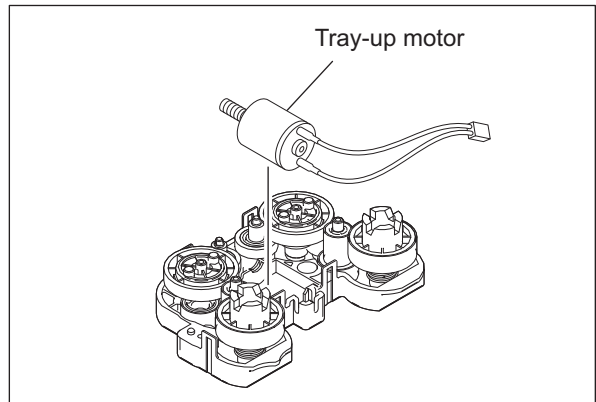


Fig. 4-226

Notes:

Match the boss of the gear with the hole of the cover when installing the motor.

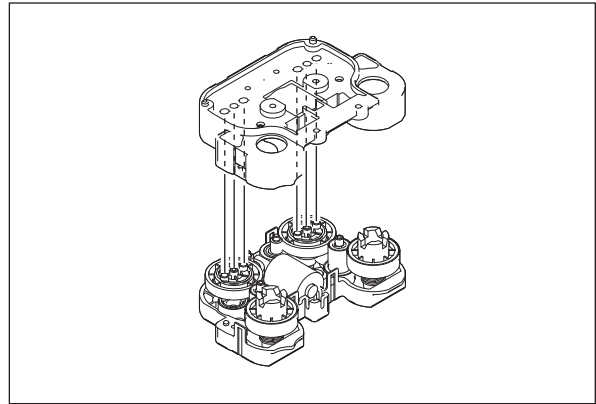


Fig. 4-227

4.5.48 Transfer belt paper clinging detection sensor (S47)

- (1) Pull out the transfer belt unit.
P. 4-139"4.7.1 Pulling out the transfer belt unit"
- (2) Remove 1 screw and slide the middle guide and then release 2 hooks.

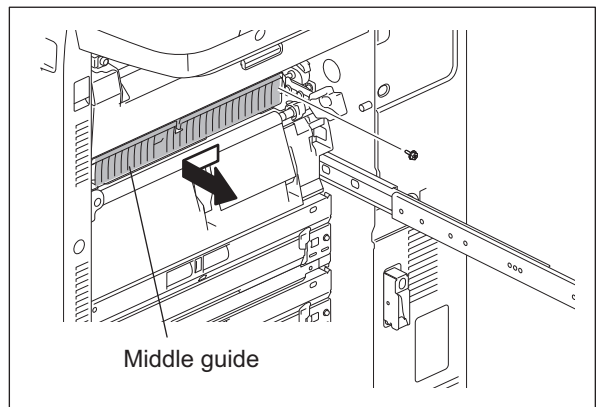


Fig. 4-228

- (3) Disconnect 1 connector and then take off the middle guide.

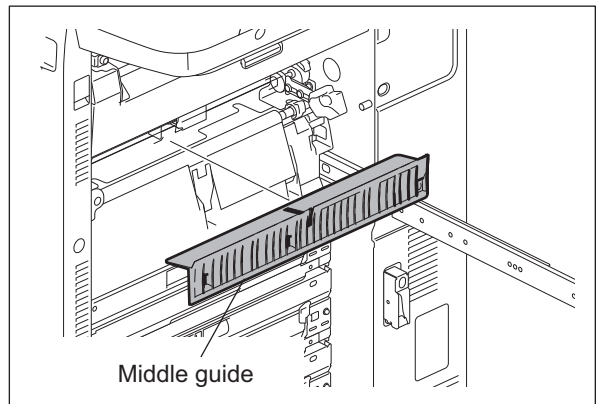


Fig. 4-229

- (4) Release 3 latches and then take off the transfer belt paper clinging detection sensor.

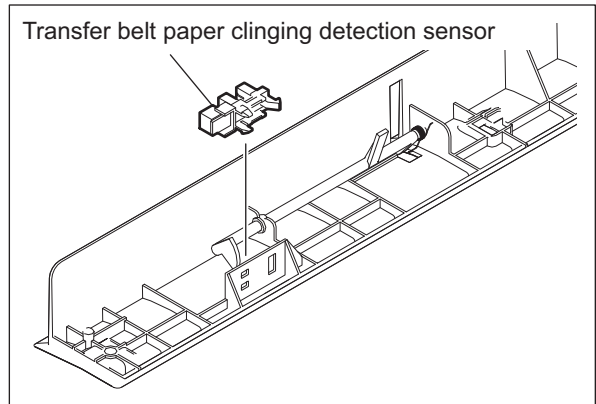


Fig. 4-230

4.5.49 Tandem LCF tray-up motor (M46)

- (1) Pull out the tandem LCF.
- (2) Take off the FIL board case and reactor.
 📖 P. 9-21"9.1.18 FIL board"
- (3) Take off the switching regulator.
 📖 P. 9-18"9.1.15 Switching regulator (PS)"
- (4) Take off the PFC board case.
 📖 P. 9-8"9.1.9 PFC board case"
- (5) Disconnect 1 connector and remove 3 screws. Then take off the tandem LCF tray-up motor unit.

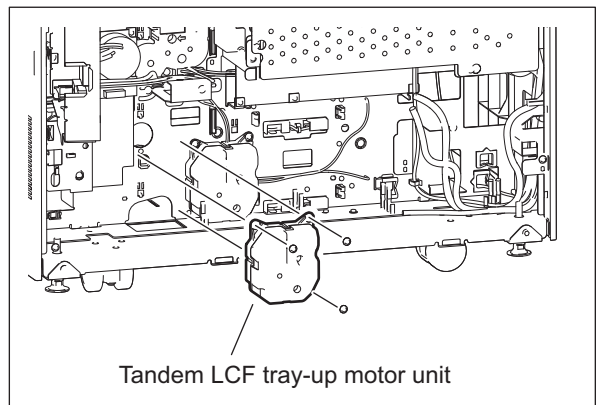


Fig. 4-231

- (6) Release 2 latches and then take off the coupling [1] and spring [2].

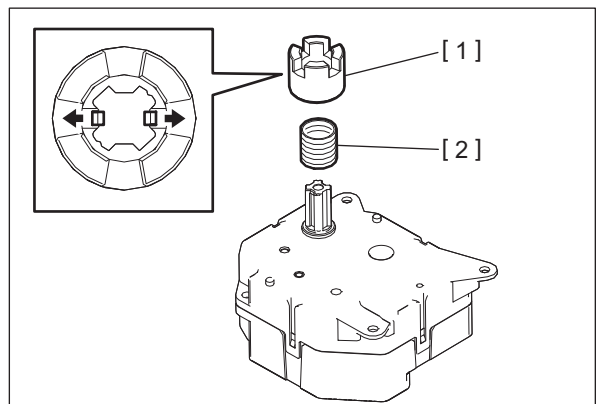


Fig. 4-232

- (7) Release 4 latches and then take off the tandem LCF tray-up motor.

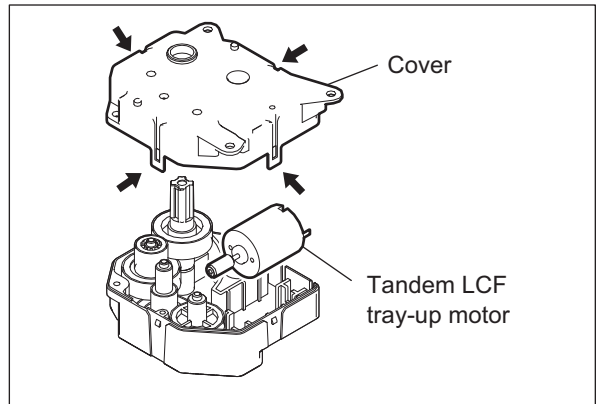


Fig. 4-233

4.5.50 Tandem LCF end fence motor (M47)

- (1) Pull out the tandem LCF.
- (2) Take off the FIL board case and reactor.
 P. 9-21"9.1.18 FIL board"
- (3) Take off the switching regulator.
 P. 9-18"9.1.15 Switching regulator (PS)"
- (4) Take off the PFC board case.
 P. 9-8"9.1.9 PFC board case"
- (5) Disconnect 1 connector and remove 3 screws. Then take off the tandem LCF end fence motor unit [1].

Notes:

Do not mix the tandem LCF tray-up motor and the tandem LCF end fence motor [1] when installing them.

- (6) Release 2 latches and then take off the coupling and spring.

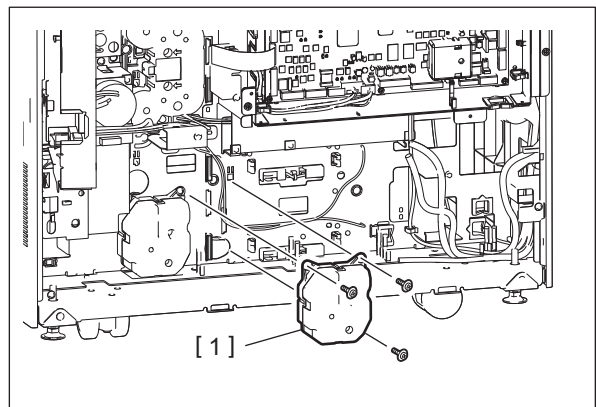


Fig. 4-234

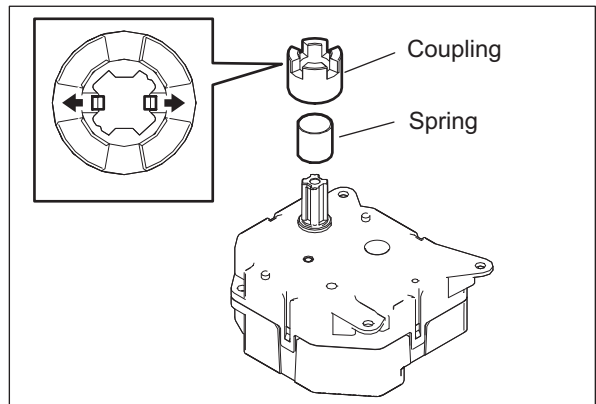


Fig. 4-235

- (7) Release 4 latches and then take off the tandem LCF end fence motor.

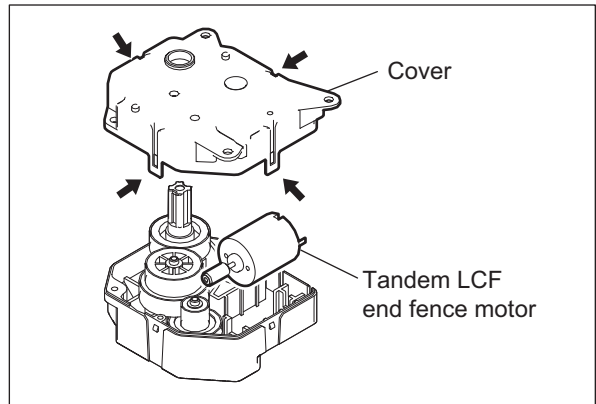


Fig. 4-236

4.5.51 Tandem LCF standby unit

- (1) Pull out the tandem LCF.
- (2) Remove 2 screws, and then take off the stopper plate.

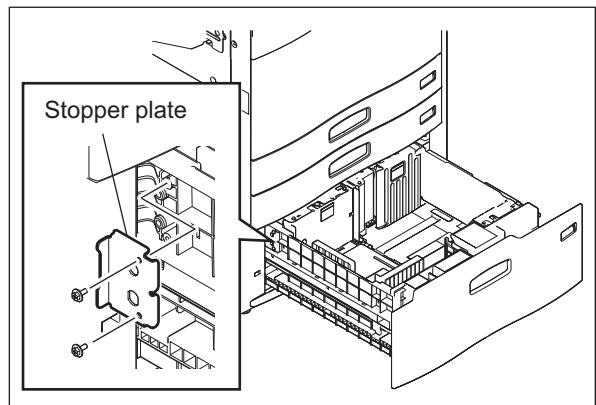


Fig. 4-237

- (3) Insert the tandem LCF feeding unit.
- (4) Remove 3 screws, and then take off the tandem LCF standby unit.

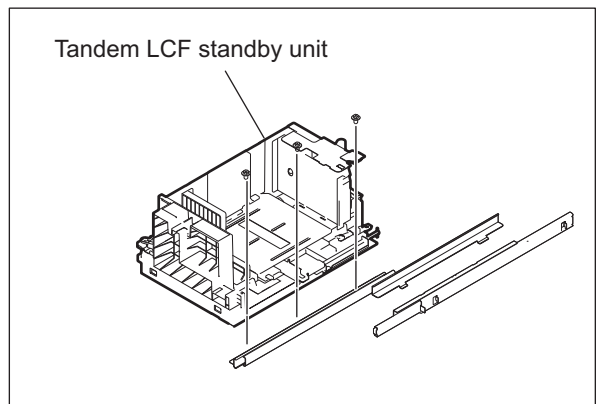


Fig. 4-238

4.5.52 Tandem LCF feeding unit

- (1) Take off the tandem LCF standby unit.
📖 P. 4-81 "4.5.51 Tandem LCF standby unit"
- (2) Remove 3 screws, and then take off the tandem LCF feeding unit.

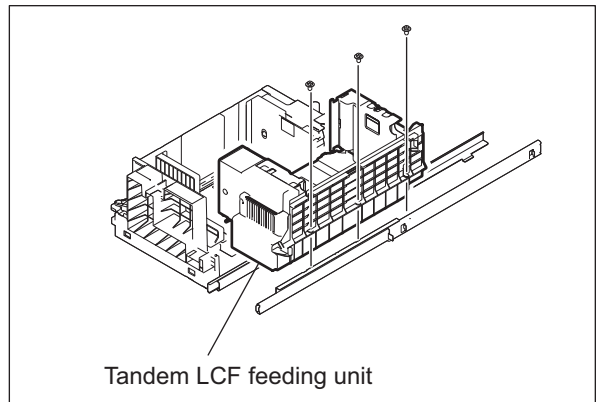


Fig. 4-239

4.5.53 Stopper opening/closing solenoid (front) (SOL10)/Stopper opening/closing detection sensor (front) (S110)

- (1) Take off the tandem LCF feeding unit.
📖 P. 4-82 "4.5.52 Tandem LCF feeding unit"
- (2) Remove 4 screws, and then take off the feeding unit front cover.

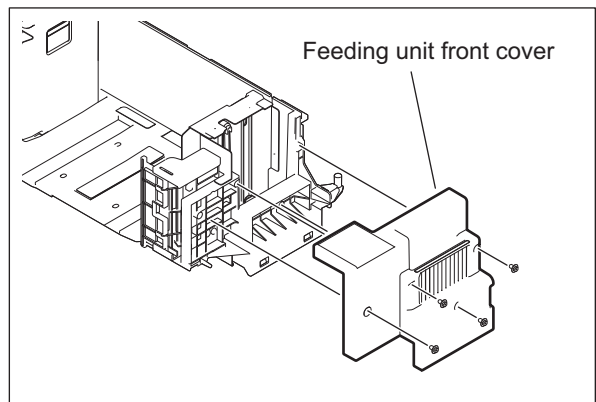


Fig. 4-240

- (3) Remove 2 screws, release 2 hooks and then take off the stopper unit.

Notes:

The position of the hook differs depending on the destination.

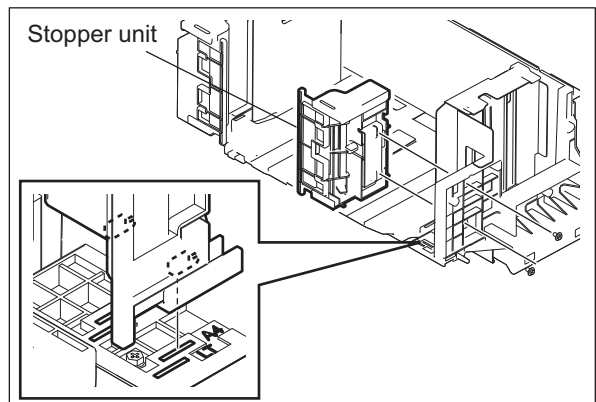


Fig. 4-241

- (4) Remove 2 screws, and then take off the plate.

Notes:

The direction of the plate differs depending on the destination (A4/LT).

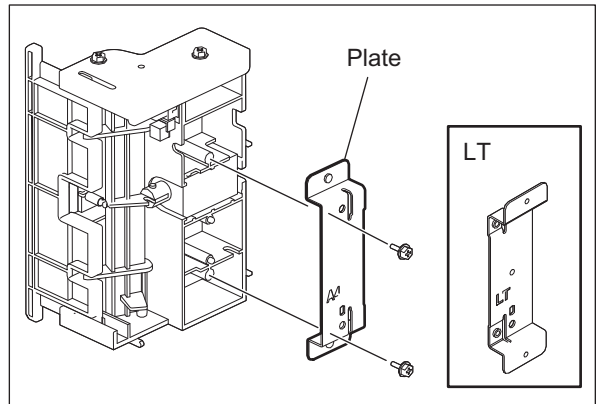


Fig. 4-242

- (5) Disconnect 1 connector, and then take off the stopper opening/closing solenoid (front).
(6) Disconnect 1 connector and release 3 latches. Then take off the stopper opening/closing detection sensor (front).

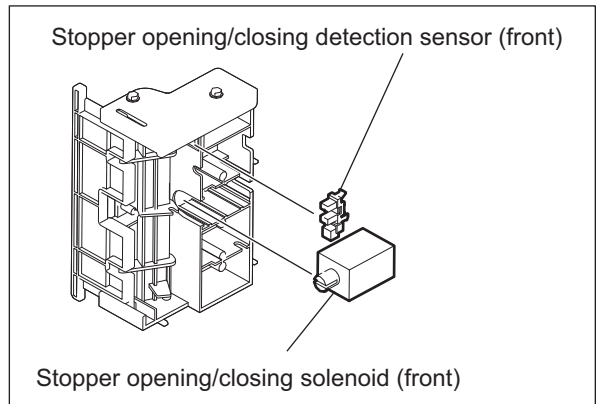


Fig. 4-243

4.5.54 Stopper opening/closing solenoid (rear)/Stopper opening/closing detection sensor (rear) (S111)

- (1) Take off the tandem LCF feeding unit.
📖 P. 4-82 "4.5.52 Tandem LCF feeding unit"
- (2) Remove 2 screws, release 2 hooks and then take off the stopper unit.

Notes:

The position of the hook differs depending on the destination.

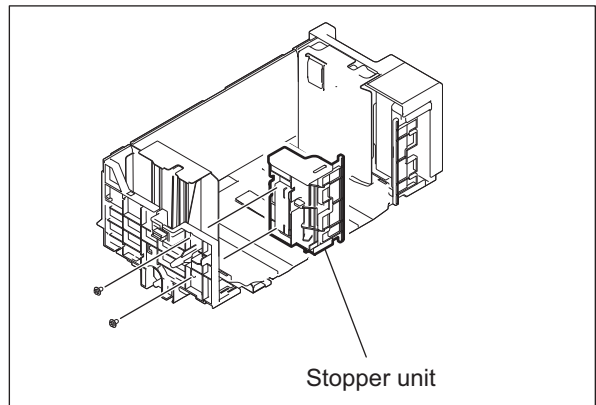


Fig. 4-244

- (3) Remove 2 screws, and then take off the plate.

Notes:

The direction of the plate differs depending on the destination (A4/LT).

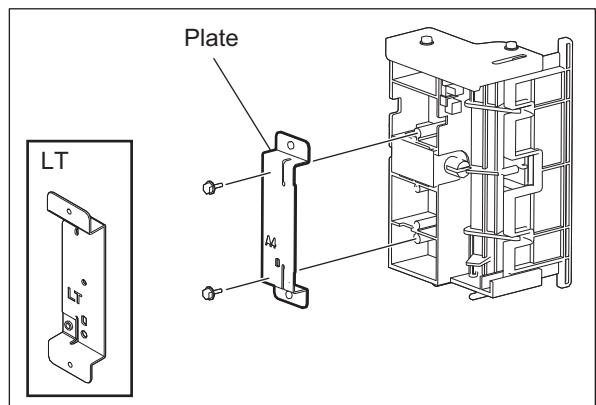


Fig. 4-245

- (4) Disconnect 1 connector, and then take off the stopper opening/closing solenoid (rear).
- (5) Disconnect 1 connector and release 3 latches. Then take off the stopper opening/closing detection sensor (rear).

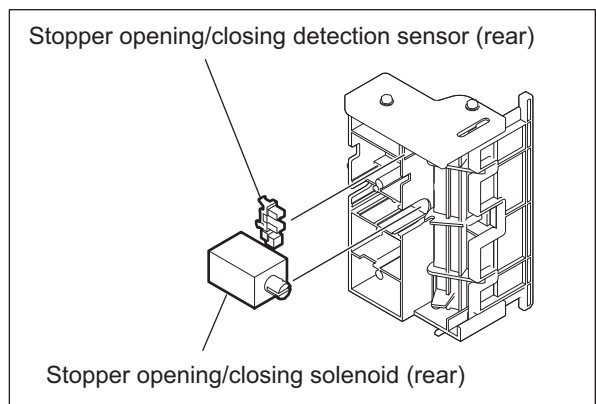


Fig. 4-246

4.5.55 Tandem LCF bottom sensor (S107)

- (1) Take off the tandem LCF feeding unit.
📖 P. 4-82 "4.5.52 Tandem LCF feeding unit"
- (2) Remove 6 screws, and then take off the feeding side tray.

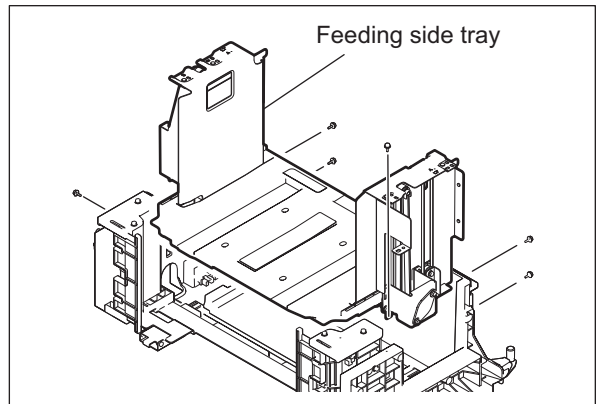


Fig. 4-247

- (3) Disconnect 1 connector and release 3 latches. Then take off the tandem LCF bottom sensor.

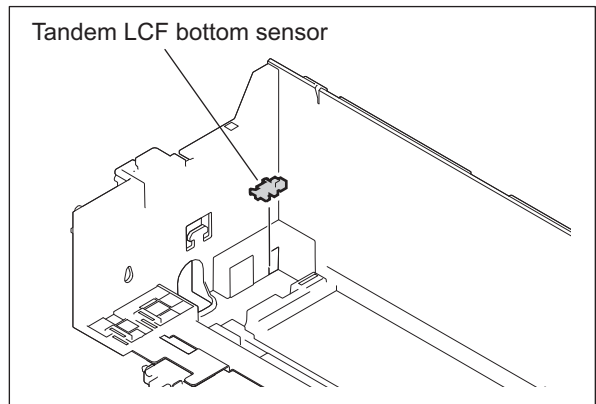


Fig. 4-248

4.5.56 Standby side tray paper amount detection sensor (S106)

- (1) Take off the tandem LCF feeding unit.
📖 P. 4-82 "4.5.52 Tandem LCF feeding unit"
- (2) Remove 4 screws, and then take off the plate.

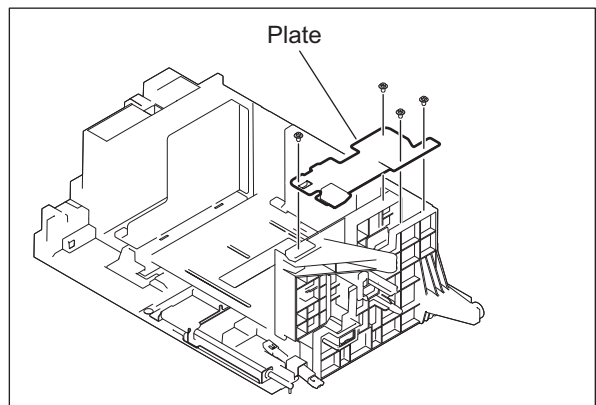


Fig. 4-249

- (3) Remove 3 screws, and then take off the link arm.

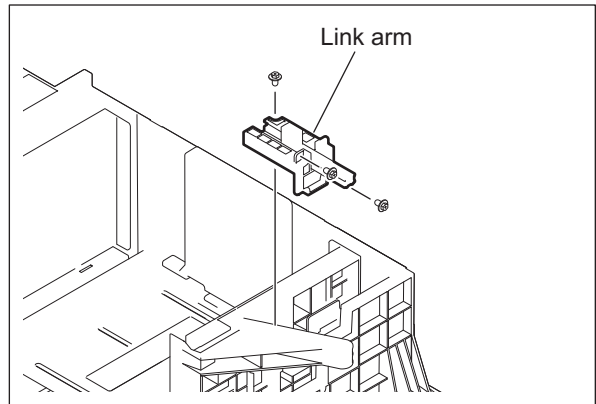


Fig. 4-250

- (4) Remove 1 screw, and then take off the rear fence.

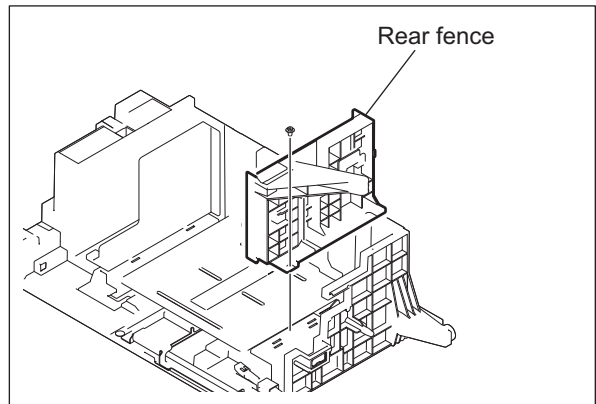


Fig. 4-251

- (5) Remove 2 screws, and then take off the bracket.

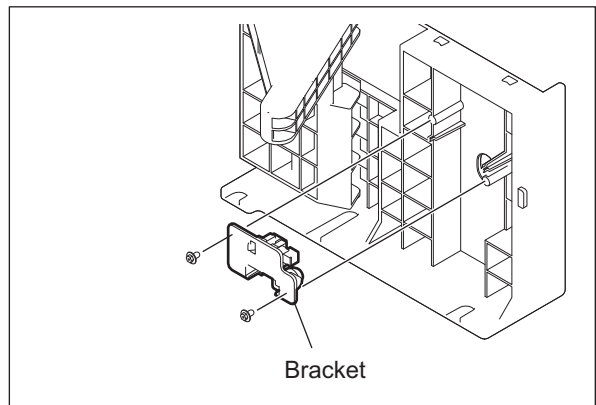


Fig. 4-252

- (6) Disconnect 1 connector and release 3 latches. Then take off the standby side tray paper amount detection sensor.

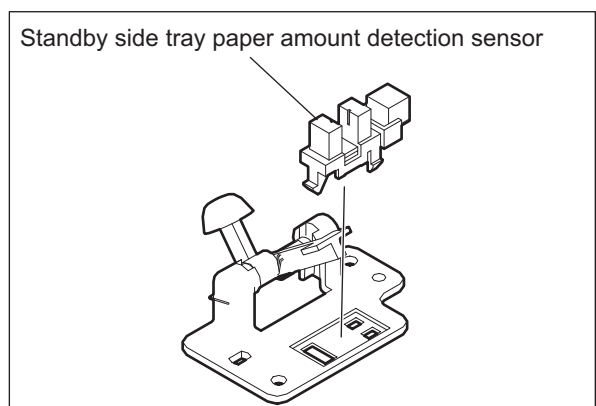


Fig. 4-253

4.5.57 End fence home position sensor (S112)

- (1) Pull out the standby unit, and slide the standby tray to the feeding side.

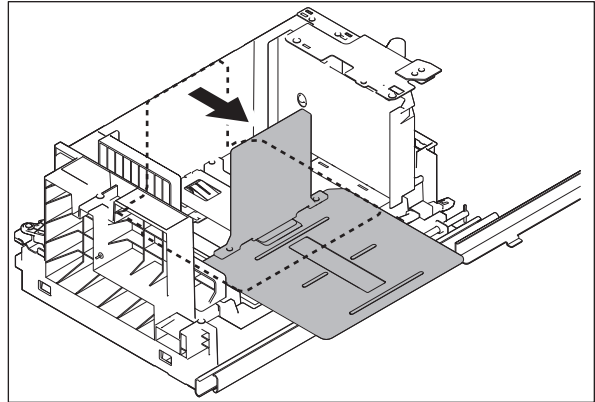


Fig. 4-254

- (2) Remove 1 screw, and then take off the sensor cover.

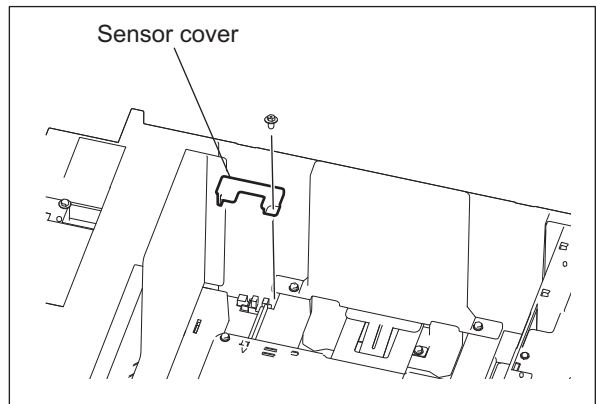


Fig. 4-255

- (3) Disconnect 1 connector and release 3 latches. Then take off the end fence home position sensor.

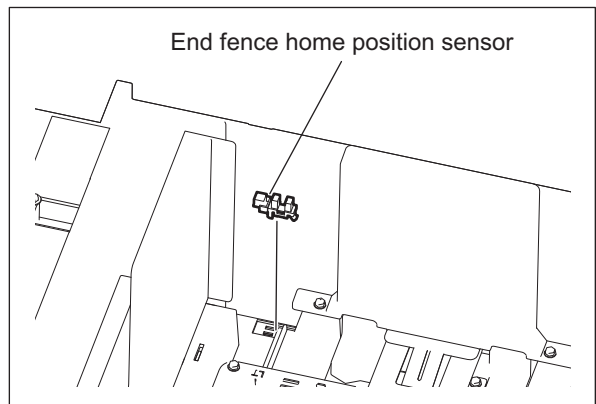


Fig. 4-256

4.5.58 End fence stop position sensor (S113)

- (1) Pull out the standby unit.
- (2) Remove 2 screws, and then take off the front fence.

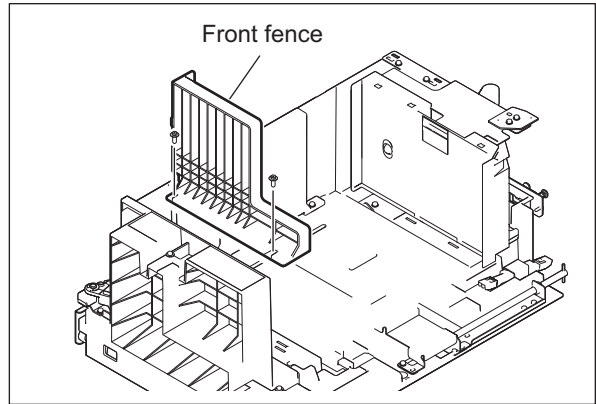


Fig. 4-257

- (3) Remove 1 screw, and then take off the sensor cover.

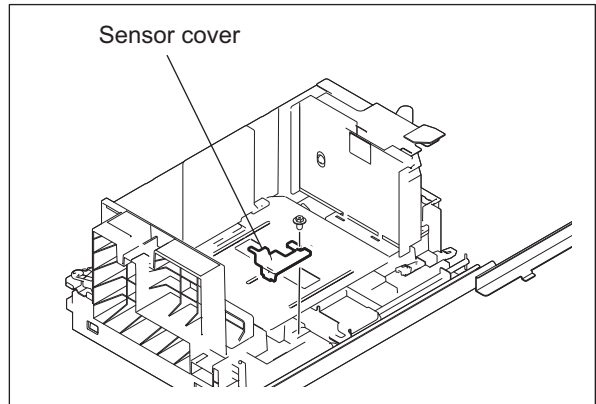


Fig. 4-258

- (4) Disconnect 1 connector and release 3 latches. Then take off the end fence stop position sensor.

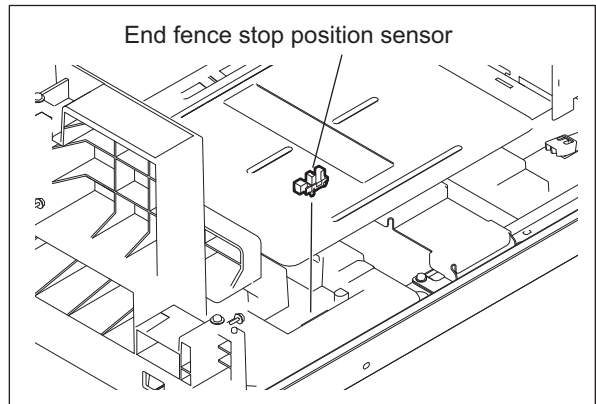


Fig. 4-259

4.5.59 Standby side empty sensor (S109)

- (1) Take off the tandem LCF feeding unit.
📖 P. 4-82"4.5.52 Tandem LCF feeding unit"
- (2) Take off the rear fence.
📖 P. 4-85"4.5.56 Standby side tray paper amount detection sensor (S106)"
- (3) Remove 1 screw, and then take off the sensor cover.

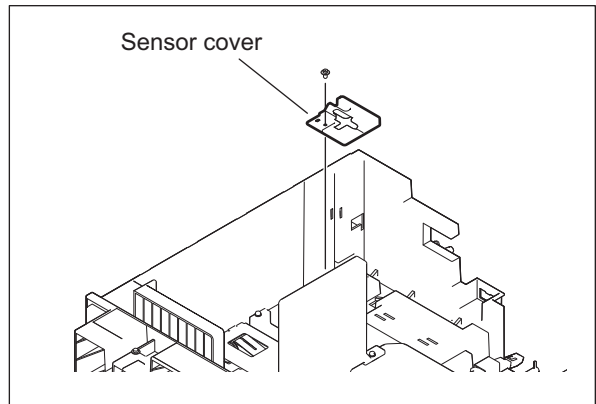


Fig. 4-260

- (4) Remove 2 screws, and then take off the sensor bracket.
- (5) Disconnect 1 connector and release 3 latches. Then take off the standby side empty sensor.

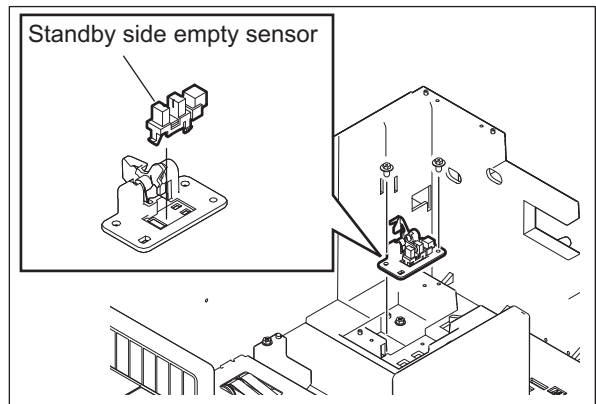


Fig. 4-261

4.5.60 Standby side tray detection sensor (S108)

- (1) Take off the tandem LCF standby unit.
📖 P. 4-81"4.5.51 Tandem LCF standby unit"
- (2) Disconnect 1 connector, remove 1 screw and then take off the bracket.
- (3) Release 3 latches and then take off the standby side tray detection sensor.

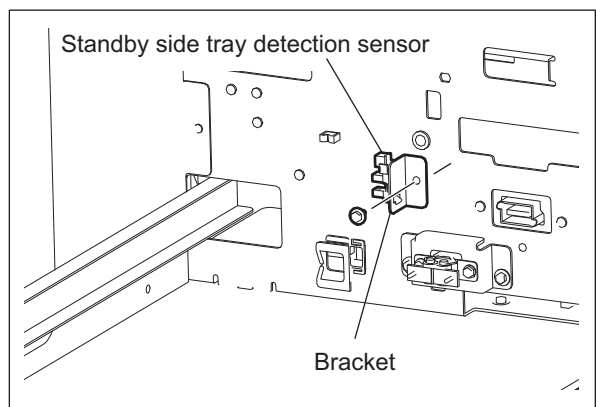


Fig. 4-262

4.5.61 Tandem LCF solenoid (SOL9)

- (1) Take off the transport roller.
📖 P. 4-57"4.5.18 Transport roller"
- (2) Disconnect 1 connector, remove 2 screw and then take off the Tandem LCF solenoid.

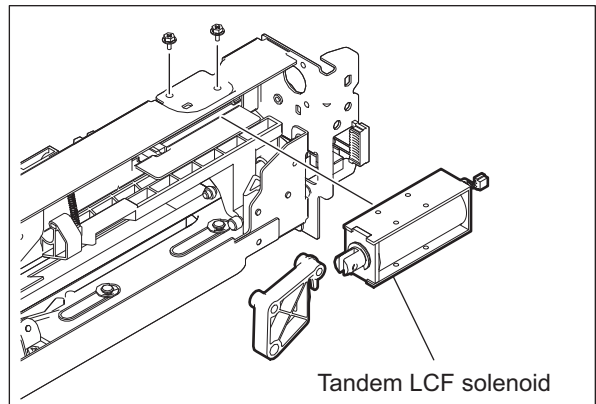



Fig. 4-263

4.6 Process Unit Related Section

4.6.1 Pulling out the process unit (EPU tray)

- (1) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"
- (2) Loosen the fixing screw of the right TBU lifting lever to unfix it.

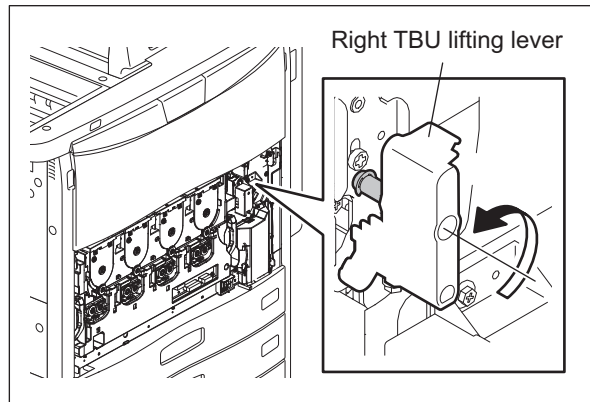


Fig. 4-264

- (3) Pull out the left TBU lifting lever toward you until it reaches to a mark.

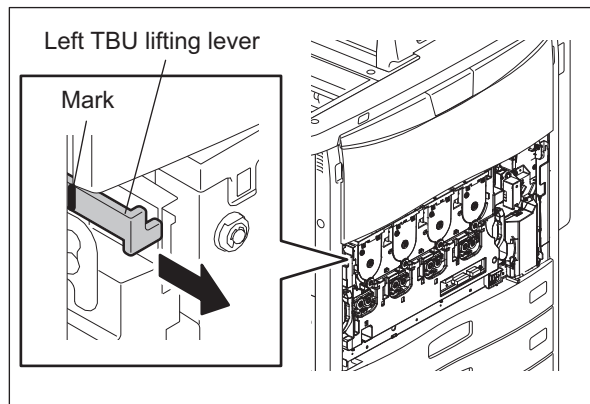


Fig. 4-265

- (4) Turn the right TBU lifting lever to the left for 90 degrees.
- (5) Turn the TBU locking lever for 45 degrees (right hand).

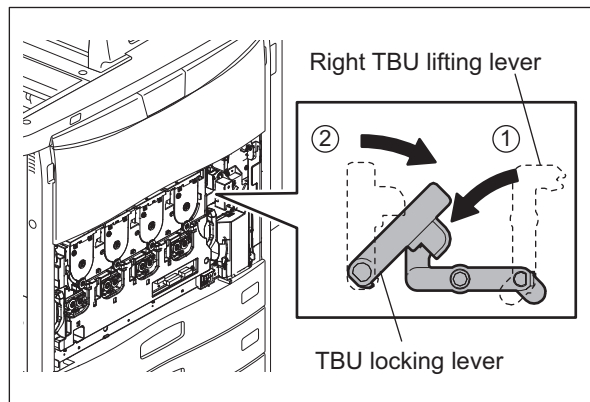


Fig. 4-266

- (6) Lift up the EPU locking lever.

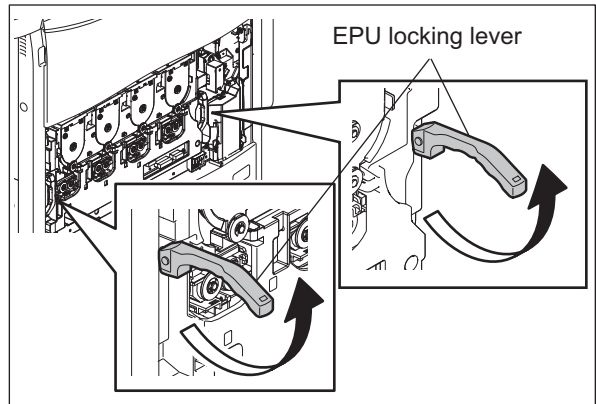


Fig. 4-267

- (7) Turn the EPU locking lever for 90 degrees.

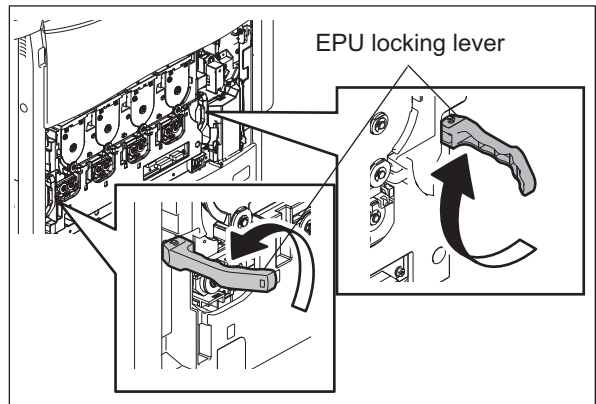


Fig. 4-268

- (8) Pull out the process unit by holding the EPU locking lever.

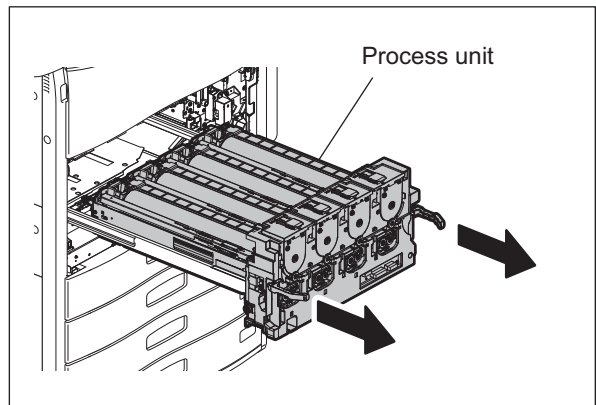


Fig. 4-269

Notes:

1. When the process unit is pulled out, be sure to close the shutter of the sub-hopper to prevent dust from entering into the unit.

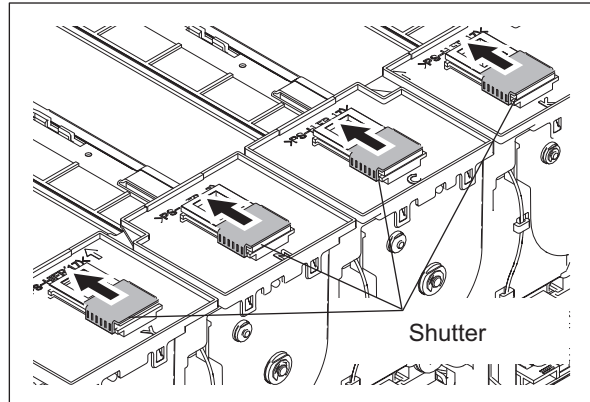


Fig. 4-270

2. When the process unit is pulled out, clean toner or dirt on the entrance of the waste toner transport path on the equipment side or on the toner supply opening of the sub-hopper and stay, if there is any.

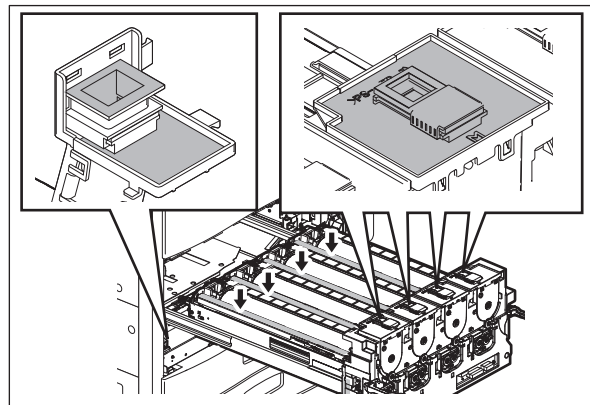


Fig. 4-271

3. Before you push the process unit back, make sure that each lever is set as shown in the figure.
4. Turn the right TBU lifting lever downward to unlock the TBU locking lever.

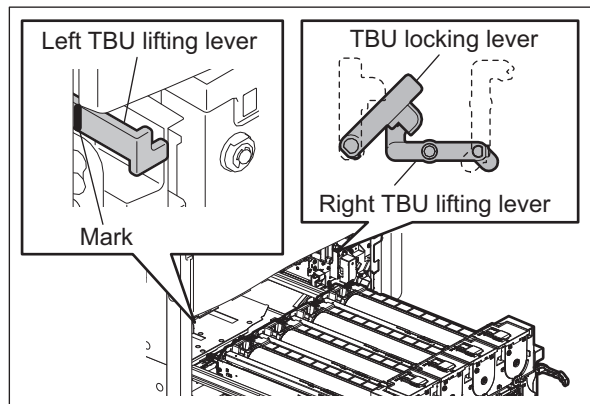


Fig. 4-272

Notes:

Do not install the process unit with too much force. Follow the procedure below when installing the process unit.

1. Hold the levers on both sides and insert the EPU tray slowly until it seems to stop. (The stud should be inserted into the hole of the frame.) In this case, the levers face the inside.

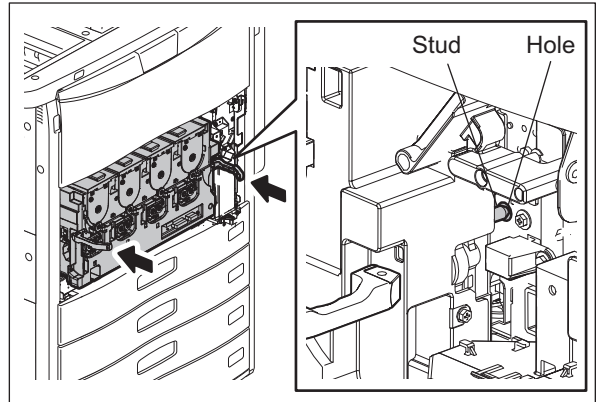


Fig. 4-273

2. Place your hands in the position indicated by the arrows below, and push it well.

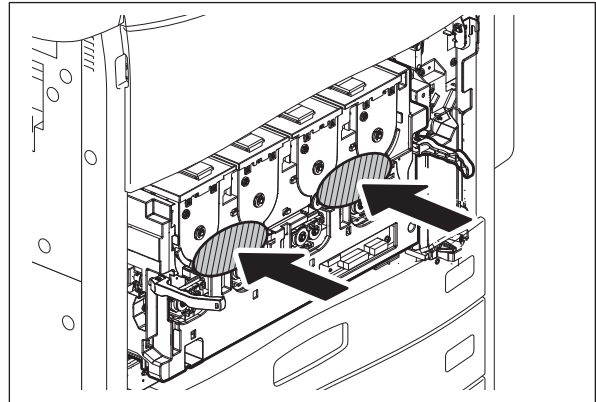


Fig. 4-274

3. Turn both levers outside by 90 degrees and push them down.

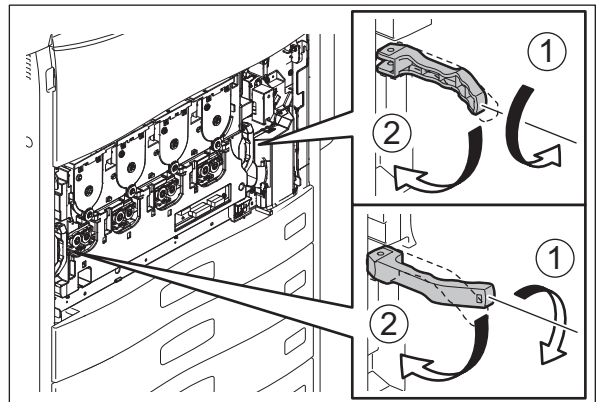


Fig. 4-275

4.6.2 Drum cleaner unit

- (1) Pull out the process unit.
☞ P. 4-91 "4.6.1 Pulling out the process unit (EPU tray)"
- (2) Take off the drum cleaner unit quietly not to hit the drum to the surrounding parts.

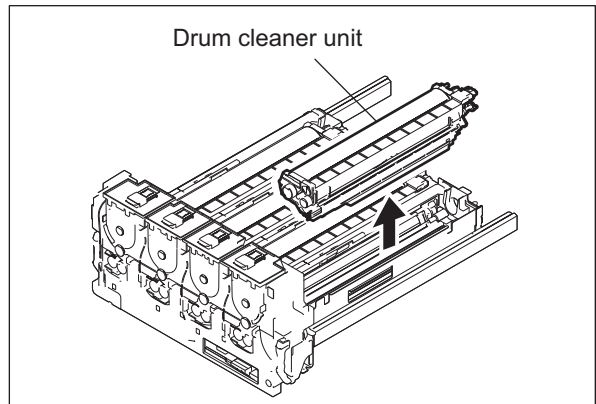


Fig. 4-276

Notes:

When you hold the drum cleaner unit, hold the part A shown in the figure. Do not touch the part B because grease will adhere to your hands.

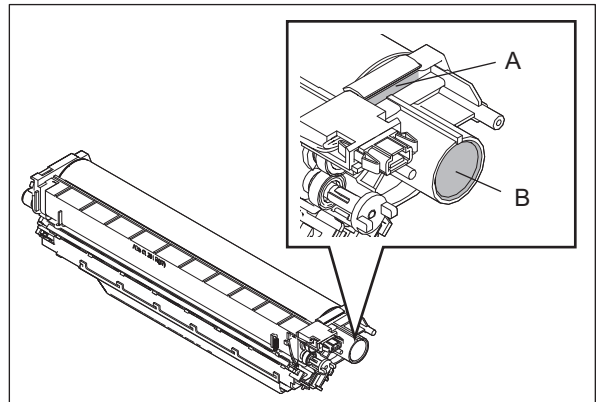


Fig. 4-277

Notes:

1. When installing, place the drum cleaner unit by keeping it horizontal. In e-STUDIO6550C/6570C, make sure to install the correct position since it differs depending on whether there is the V0 sensor or not.

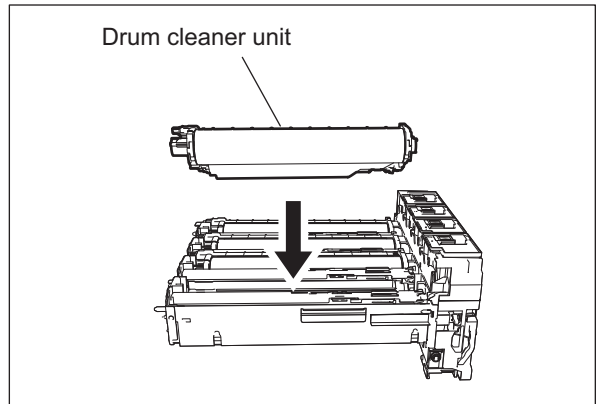


Fig. 4-278

2. Confirm that the unit is placed horizontally by holding 4 sections (shown in the figure) securely and checking that no lifting is found at each section.

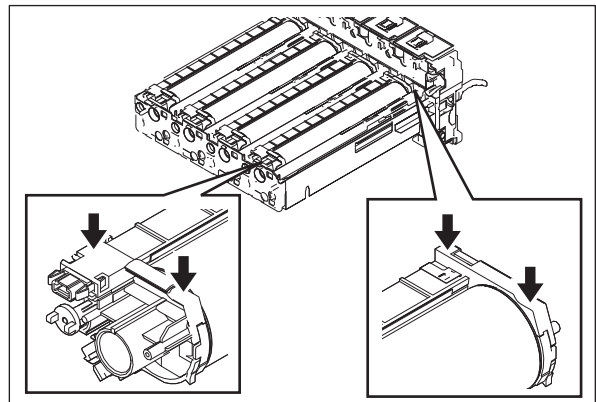


Fig. 4-279

3. When installing the drum cleaner unit, be sure that the orange label attached on the shutter is clearly seen.

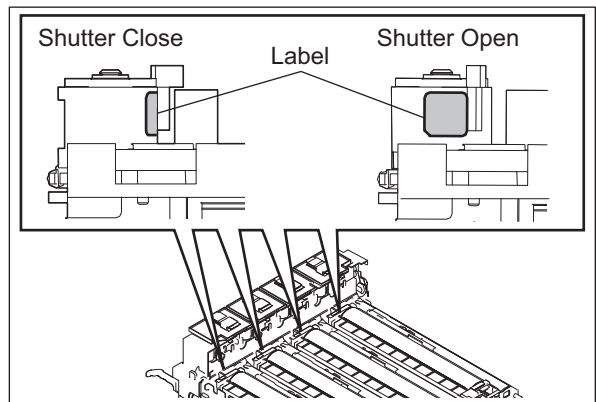


Fig. 4-280

Notes:

- The respective colors are separate in the drum cleaner unit.
Only the location with the same color as the EPU tray cannot be installed.
When installing, check that the colors match.
[1] Black, [2] Blue, [3] Peach, [4] Yellow.

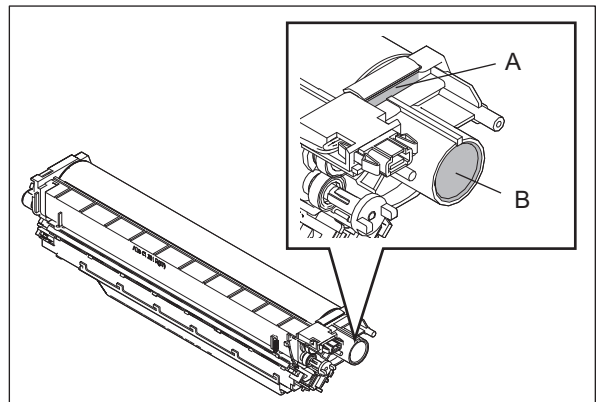




Fig. 4-281

4.6.3 Drum

- (1) Take off the drum cleaner unit
 P. 4-95"4.6.2 Drum cleaner unit"
- (2) Take off the main charger unit.
 P. 4-99"4.6.6 Main charger unit"
- (3) Take off 2 drum holders.
- (4) Take off the drum by lifting it up straight.

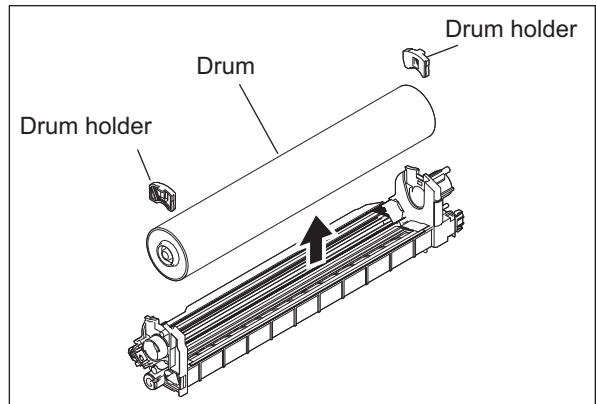


Fig. 4-282

Notes:

Do not install the drum in a wrong direction.
Do not touch the drum flange on the rear side (shown in grey in the figure) because grease will adhere to your hands.

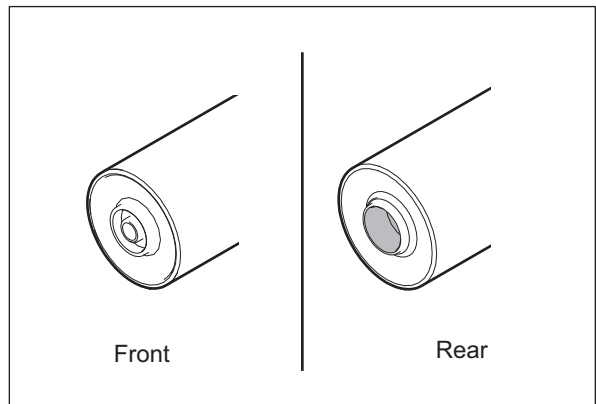




Fig. 4-283

4.6.4 Drum cleaning blade

- (1) Take off the main charger unit.
 P. 4-99"4.6.6 Main charger unit"
- (2) Take off the drum.
 P. 4-97"4.6.3 Drum"
- (3) Remove 2 screws and then take off the drum cleaning blade.

Notes:

When replacing the drum cleaning blade, replace the blade side seal too if the conditions of the blade side seal are as follows:

- If the flock on the surface layer of blade side seal has peeled off and the sponge of the layer below protrudes.
- If not in accordance with P. 4-98"Fig. 4-286" and P. 4-98"Fig. 4-287" of "4.6.5 Blade side seal".

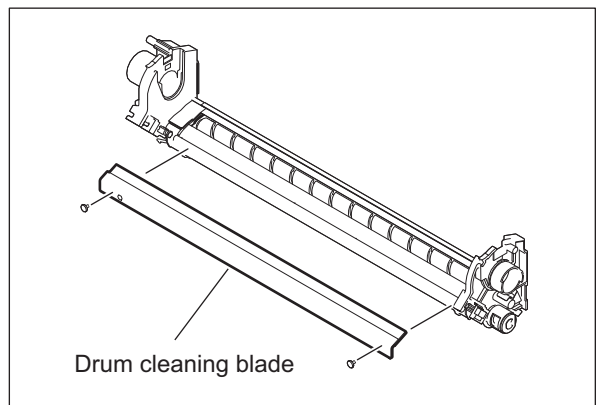


Fig. 4-284

4.6.5 Blade side seal

- (1) Take off the drum cleaning blade.
📖 P. 4-97"4.6.4 Drum cleaning blade"
- (2) Take off the blade side seal.

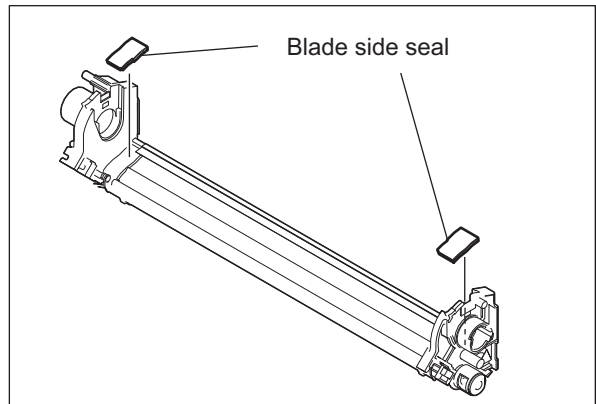


Fig. 4-285

Notes:

When replacing the blade side seals, follow the procedure below.

1. Move the blade to the front side and then install it with 2 screws.
2. Install the 2 blade side seals following the standard shown in the figure.

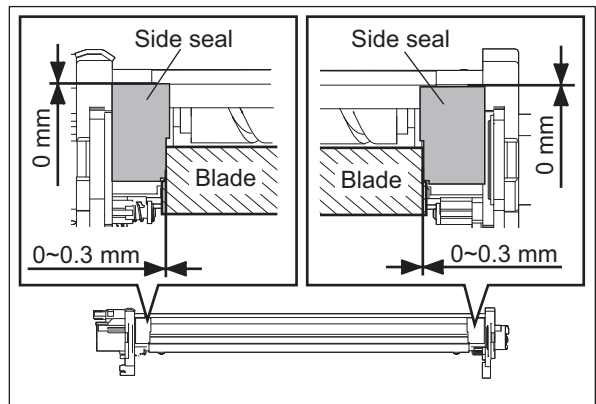


Fig. 4-286

3. After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

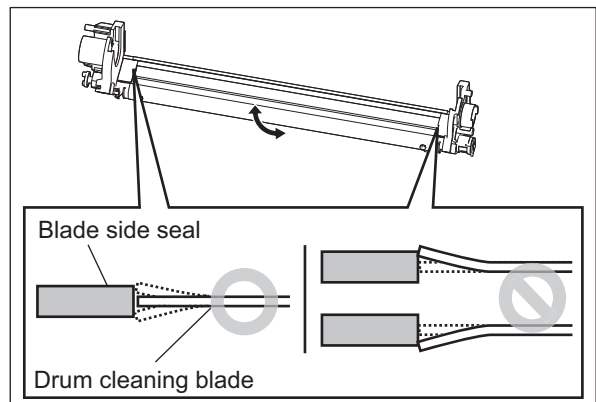


Fig. 4-287

4.6.6 Main charger unit

- (1) Take off the drum cleaner unit.
P. 4-95"4.6.2 Drum cleaner unit"
- (2) Disconnect 1 connector and release 2 latches. Then take off the main charger unit.

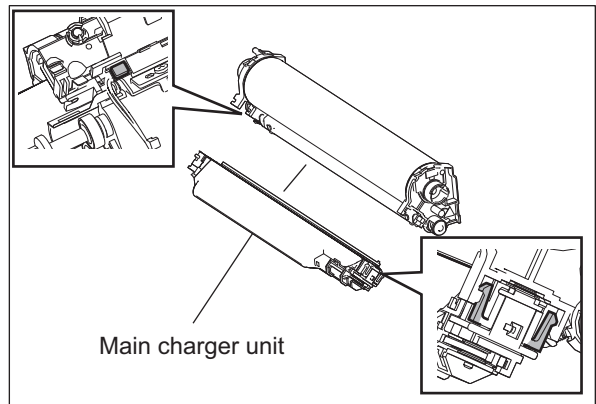


Fig. 4-288

4.6.7 Main charger grid

- (1) Take off the Main charger unit [1].
P. 4-99"4.6.6 Main charger unit"
- (2) Take off the main charger grid by pulling the lever of the holder. [2] e-STUDIO6550C/6570C:K, [3] Other.

Notes:

The shape of the grid is different only in e-STUDIO6550C/6570C: K.

[2]: Only e-STUDIO6550C/6570C: K

[3]: Others

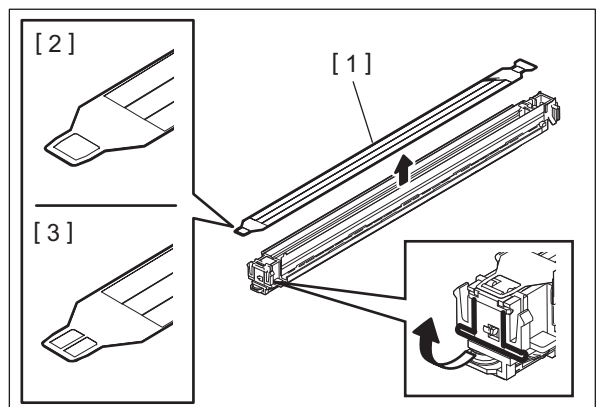


Fig. 4-289

4.6.8 Needle electrode cleaner

- (1) Take off the main charger grid.
P. 4-99"4.6.6 Main charger unit"
- (2) Take off the needle electrode cleaner.

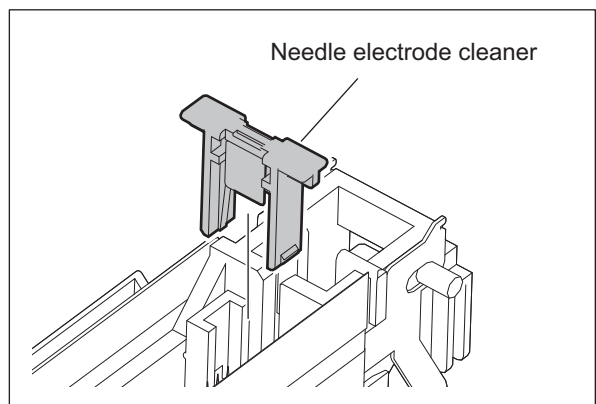



Fig. 4-290

4.6.9 Needle electrode

- (1) Take off the needle electrode cleaner.
 P. 4-99"4.6.8 Needle electrode cleaner"
- (2) Remove the holder and then take off the needle electrode.

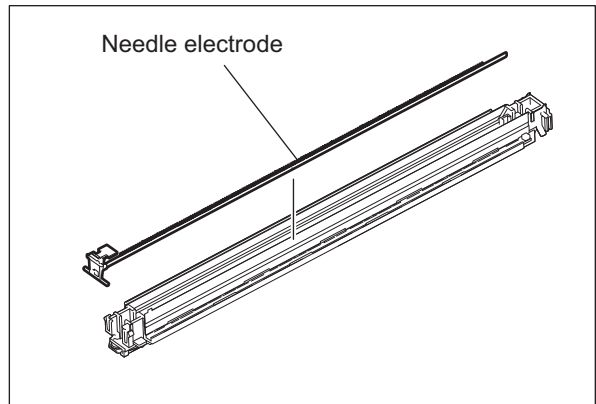



Fig. 4-291

4.6.10 Discharge LED (ERS-K/ERS-C/ERS-M/ERS-Y)

- (1) Take off the main charger unit.
 P. 4-99"4.6.6 Main charger unit"
- (2) Remove the discharge LED from the protrusion of the charger case and take it off by sliding it.

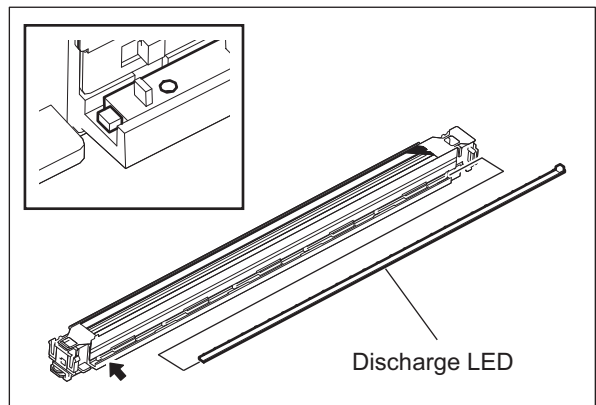



Fig. 4-292

4.6.11 Sub-hopper

- (1) Pull out the process unit.
 P. 4-91"4.6.1 Pulling out the process unit (EPU tray)"
- (2) Disconnect 4 connectors.
- (3) Release 4 hooks on the both sides.
- (4) Release 4 hooks on the front and back side.
- (5) Release the harness from 2 hooks, and take out the sub-hopper [1].

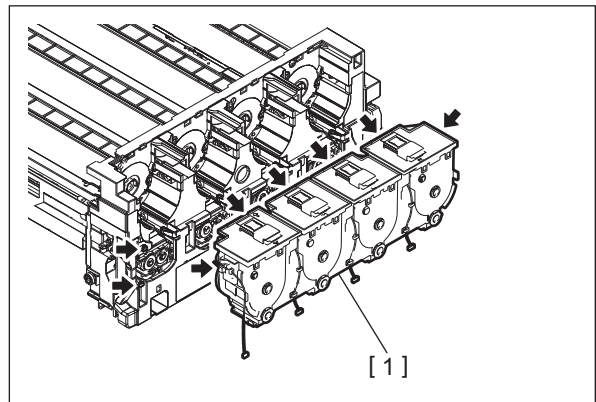


Fig. 4-293

4.6.12 Sub-hopper toner sensor (S38/S39/S40/S41)

- (1) Take off the sub-hopper.
P. 4-100"4.6.11 Sub-hopper"
- (2) Discharge toner.

Notes:

When taking off the sensor while toner is still in the sub-hopper, be careful not to spill the toner out of the sub-hopper.

If the toner surface is higher than the sensor installation position, it is recommended to mix the toner by rotating the gear.

- (3) Release 1 lock and take off the holder by tilting it.

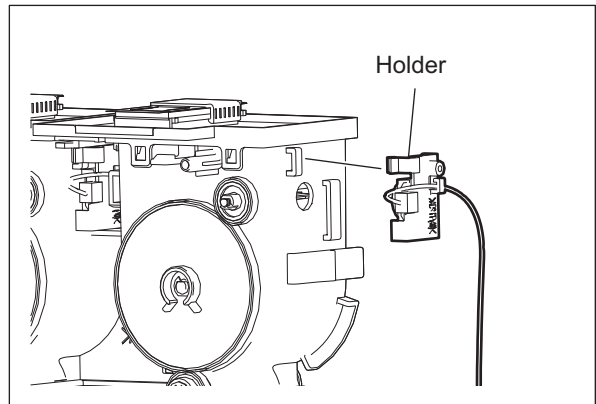


Fig. 4-294

- (4) Disconnect 1 connector and remove 1 screw. Then take off the sub-hopper toner sensor.

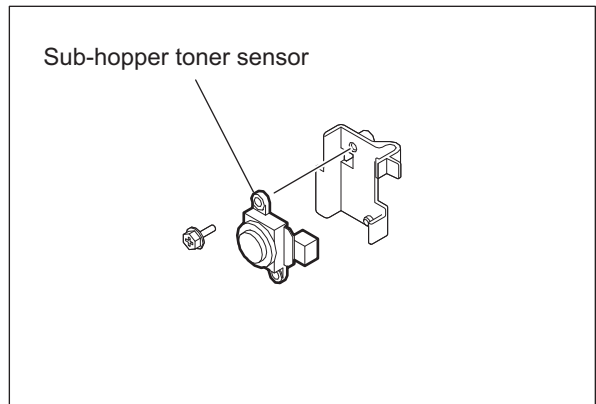


Fig. 4-295

4.6.13 EPU cover

- (1) Take off the sub-hopper.
P. 4-100"4.6.11 Sub-hopper"
- (2) Remove 6 screws and release 5 latches. Then pull out the EPU cover toward you.

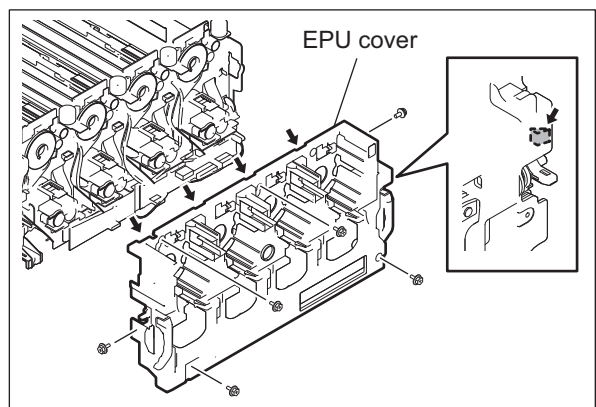


Fig. 4-296

- (3) Disconnect 1 connector and take off the EPU cover.

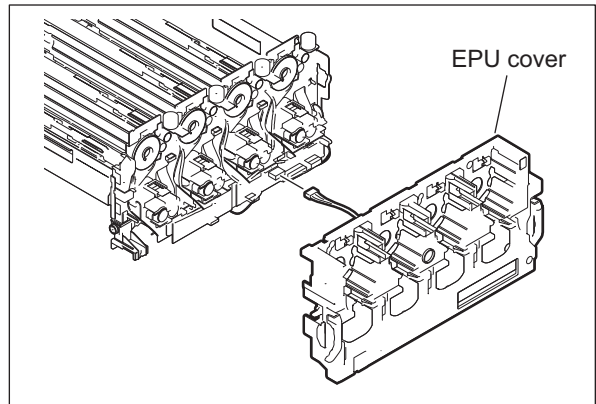


Fig. 4-297

4.6.14 Sub-hopper toner motor (K/C/M/Y) (M19/M20/M21/M22)

- (1) Take off the EPU cover.
P. 4-101 "4.6.13 EPU cover"
- (2) Disconnect 1 connector and remove 2 screws. Then take off the motor bracket.

Notes:

The shape of the bracket for K differs from those for Y, M and C.

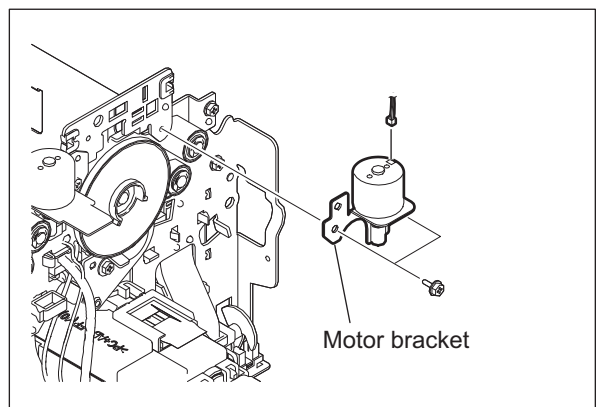


Fig. 4-298

- (3) Remove 2 screws and take off the sub-hopper toner motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

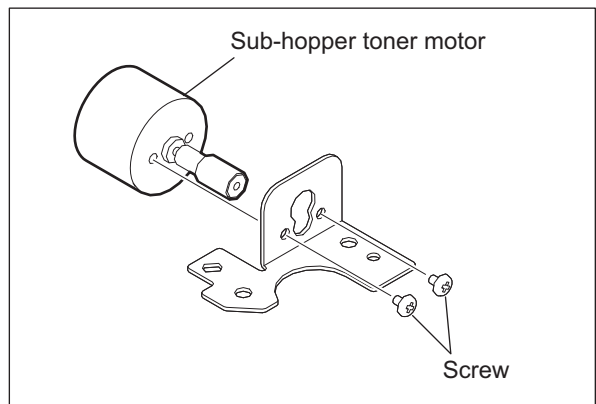



Fig. 4-299

4.6.15 EPU PC board

- (1) Take off the EPU cover.
 P. 4-101 "4.6.13 EPU cover"
- (2) Disconnect 7 connectors.

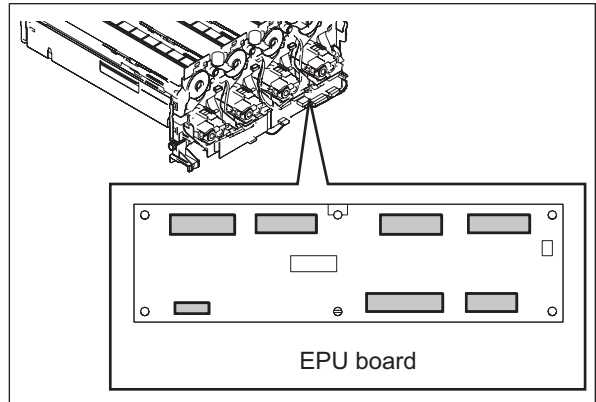


Fig. 4-300

- (3) Remove 4 screws and then take off the EPU board.

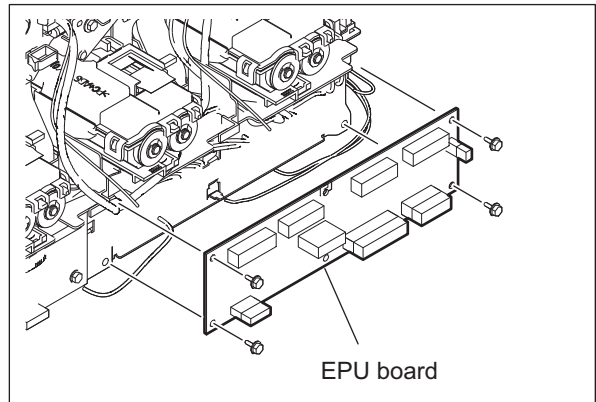



Fig. 4-301

4.6.16 Drum surface potential sensors control PC board (V0S board) (e-STUDIO6550C/6570C only)

- (1) Take off the EPU cover.
 P. 4-101 "4.6.13 EPU cover"
- (2) Disconnect 3 connectors.

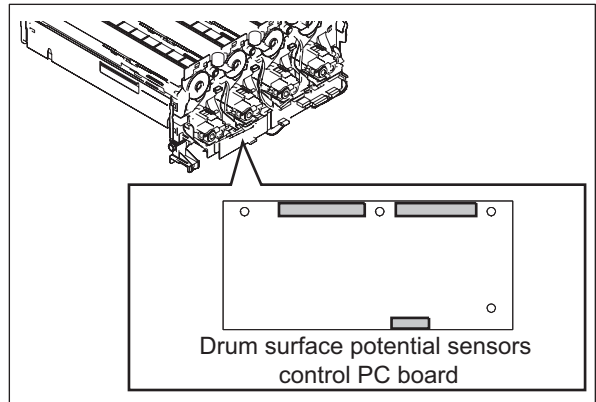


Fig. 4-302

- (3) Remove 2 screws and then take off the V0S board.

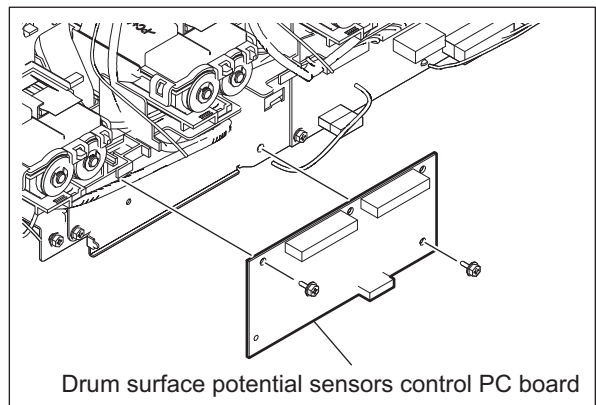



Fig. 4-303

4.6.17 Auger lock detection sensor (S42)

- (1) Take off the EPU cover.
 P. 4-101 "4.6.13 EPU cover"
- (2) Rotate the auger to escape the actuator from the sensor.

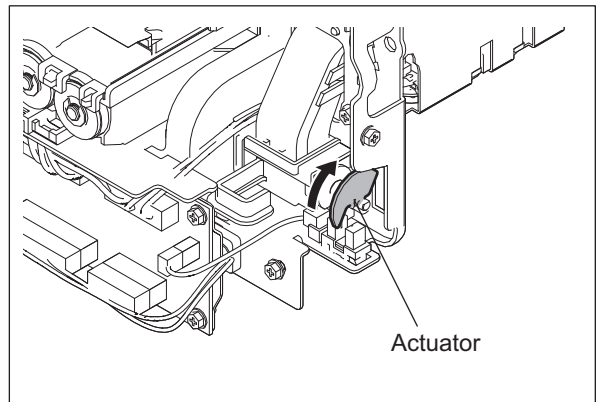


Fig. 4-304

- (3) Disconnect 1 connector and release 3 latches and then take off the auger lock detection sensor.

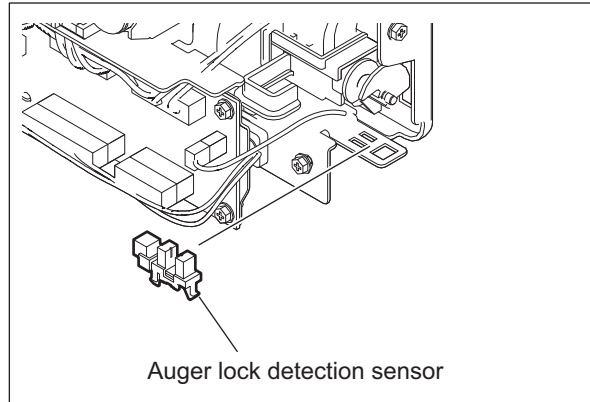


Fig. 4-305

4.6.18 Main charger ozone exhaust fan-K/-C/-M/-Y (F17/F1/F19/F20)

- (1) Take off the EPU cover.
 P. 4-101 "4.6.13 EPU cover"
- (2) Release 2 latches and take off the waste toner duct.

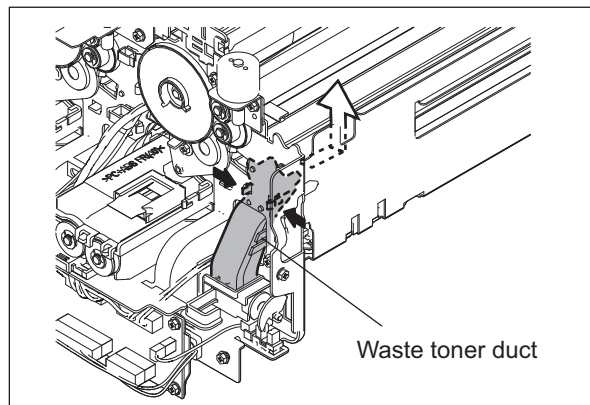


Fig. 4-306

- (3) Disconnect 1 connector and then take off the main charger ozone exhaust fan by sliding it.

Notes:

Do not mix the duct of the fan for Y color with others because its form differs from that of others.

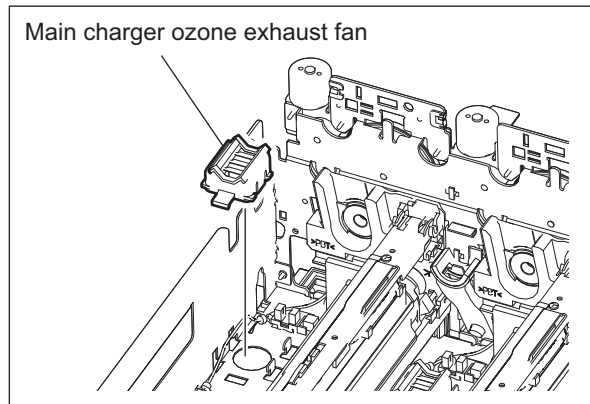


Fig. 4-307

4.6.19 Needle electrode cleaner detection sensor-K/C/M/Y (S30/S31/S32/S33)

- (1) Take off the drum cleaner unit.
P. 4-95"4.6.2 Drum cleaner unit"
- (2) Disconnect 1 connector and release 3 latches and then take off the needle electrode cleaner detection sensor.

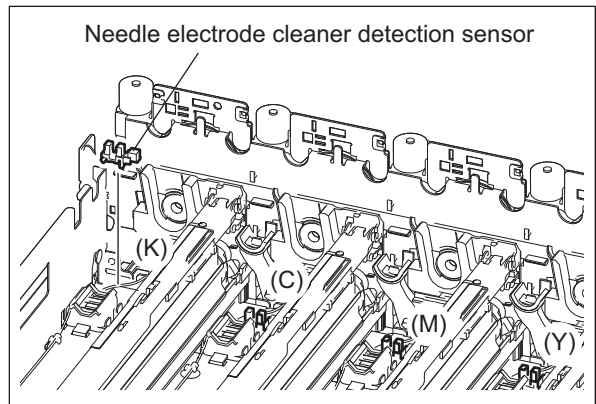


Fig. 4-308

4.6.20 Needle electrode cleaner motor-K/-C/-M/-Y (M23/M24/M25/M26)

- (1) Take off the process unit.
P. 4-110"4.6.24 Developer unit"
- (2) Release 2 hooks. Then lift up the motor holder.
- (3) Disconnect 1 connector and then take off the motor holder.

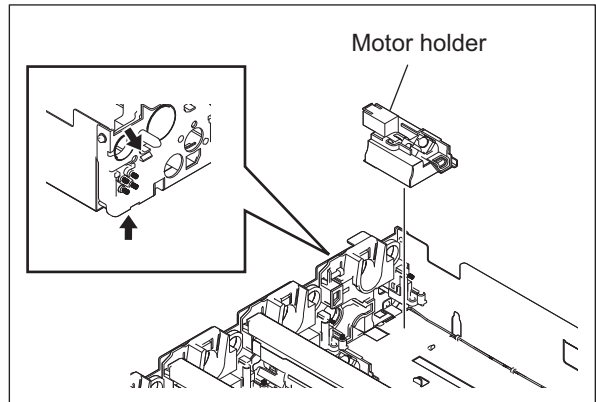


Fig. 4-309

- (4) Release 2 hooks and then take off the duct.

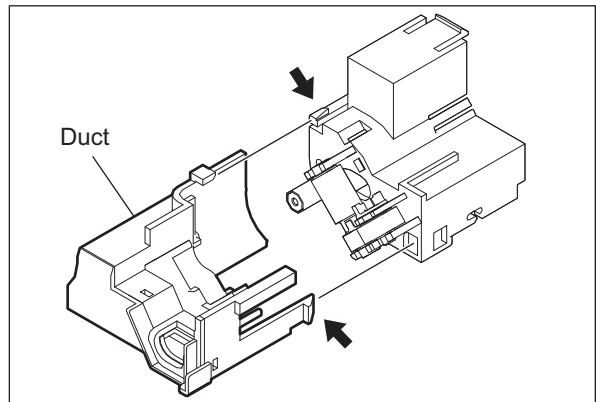


Fig. 4-310

- (5) Remove 2 gears.

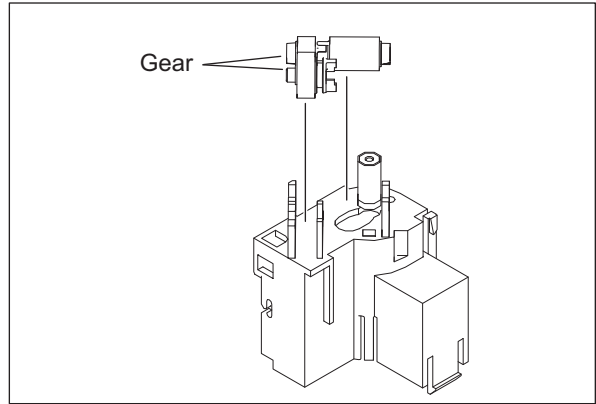


Fig. 4-311

- (6) Release 1 lock and then take off the needle electrode cleaner motor.

Notes:

When installing the motor, engage the locking part with the recessed part of the motor.

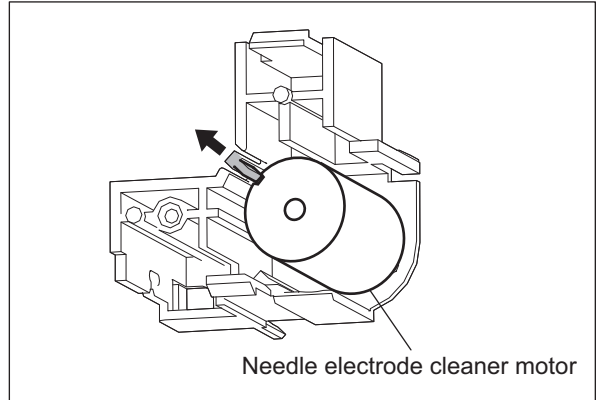


Fig. 4-312

4.6.21 V0 sensor shutter solenoid (K) (SOL) (e-STUDIO6550C/6570C only)

- (1) Take off the EPU cover
 P. 4-101 "4.6.13 EPU cover"
- (2) Disconnect 3 connectors.

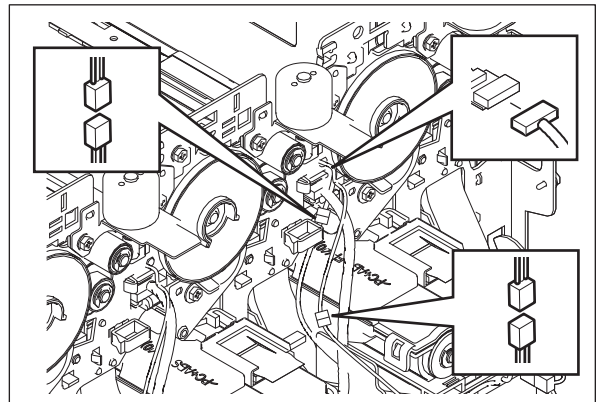


Fig. 4-313

- (3) Release 1 hook and remove a stay.

Notes:

Hold the upper side of the stay. Avoid touching its shutter.

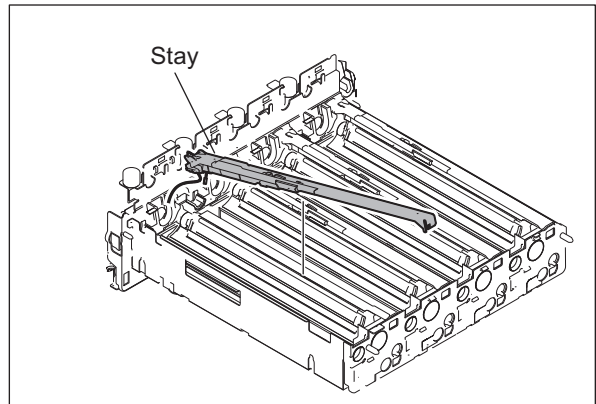


Fig. 4-314

- (4) Remove 1 screw and take off the solenoid holder by sliding it.

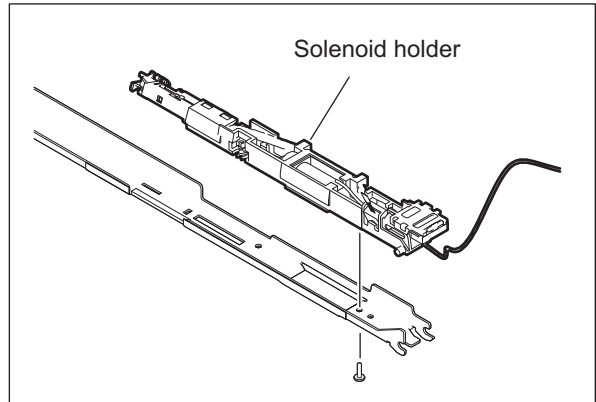


Fig. 4-315

- (5) Disconnect the joint of the link arm and then remove the link arm from the shutter.

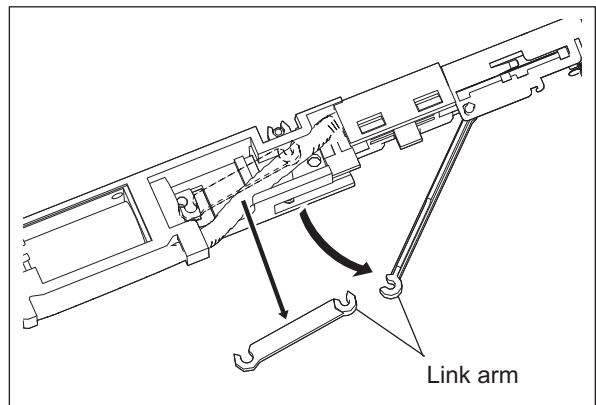


Fig. 4-316

- (6) Release the harness from the harness holder and then take off the V0 sensor shutter solenoid.

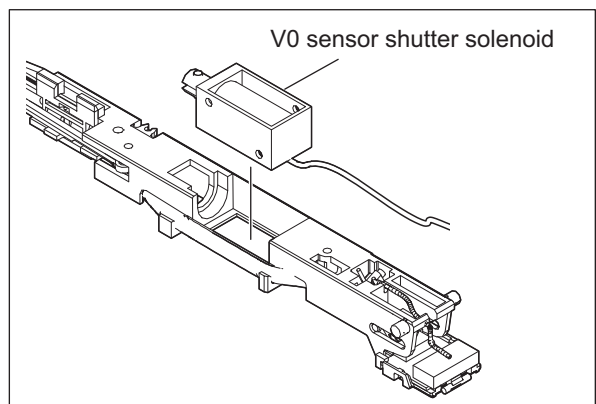


Fig. 4-317

4.6.22 Drum surface potential sensor (K) (S34) (e-STUDIO6550C/6570C only)

- (1) Take off the solenoid holder.
P. 4-107"4.6.21 V0 sensor shutter solenoid (K) (SOL) (e-STUDIO6550C/6570C only)"
- (2) Rotate the holder slightly to take off the drum surface potential sensor board with the holder.

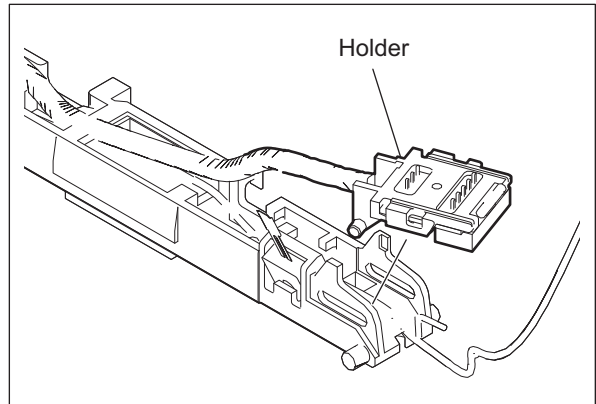


Fig. 4-318

- (3) Remove 1 spring, lift up the shutter by holding its end, and then slide it to take it off.

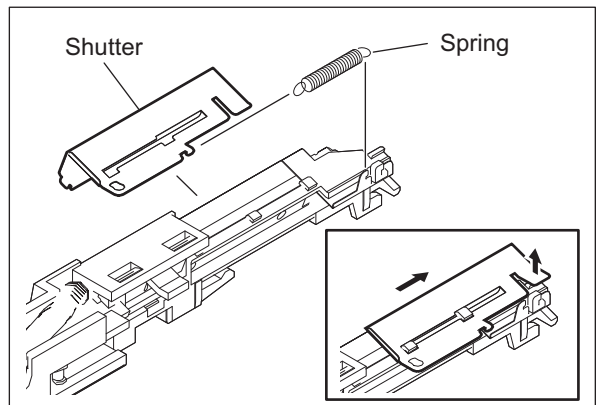


Fig. 4-319

- (4) Release 2 hooks and then take off the drum surface potential sensor.

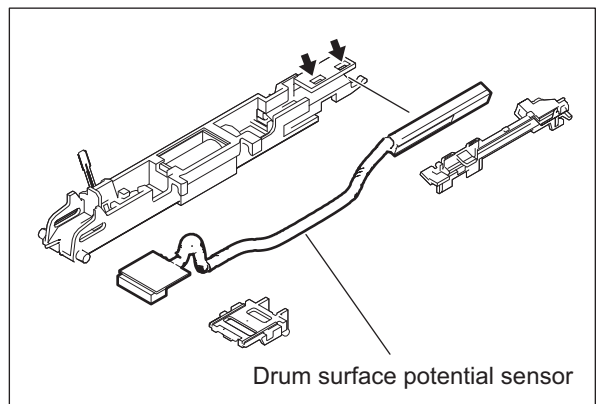


Fig. 4-320

4.6.23 Drum thermistor (K/Y) (THM1/THM2)

The drum thermistor is installed only on the Y and K drums.

- (1) Take off the solenoid holder.
P. 4-107"4.6.21 V0 sensor shutter solenoid (K) (SOL) (e-STUDIO6550C/6570C only)"
- (2) Release 1 lock and then take off the drum thermistor.

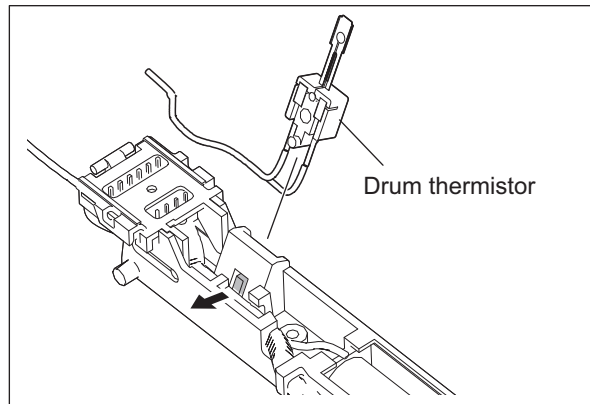


Fig. 4-321

4.6.24 Developer unit

- (1) Take off the front cover.
P. 4-1"4.1.2 Front cover"
- (2) Take off the drum cleaner unit.
P. 4-95"4.6.2 Drum cleaner unit"
- (3) Take off the sub-hopper.
P. 4-100"4.6.11 Sub-hopper"
- (4) Remove a connector holder.

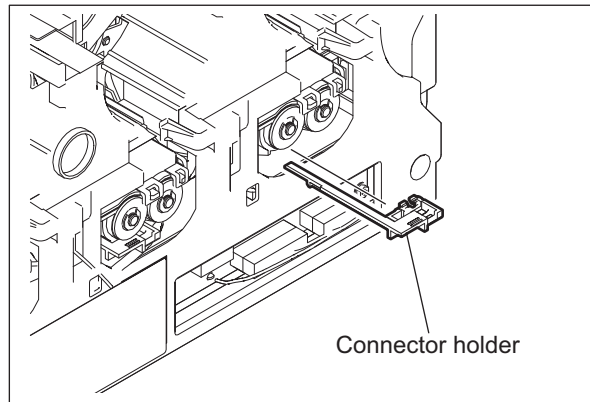


Fig. 4-322

- (5) Remove 1 screw and the developer unit locking.

Notes:

Be sure not to drop screws into the toner inlet.

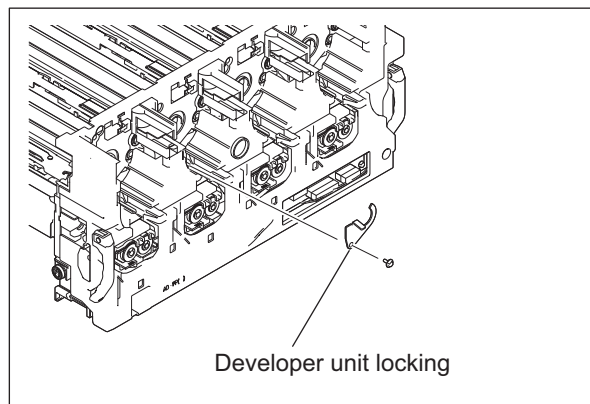


Fig. 4-323

(6) Release 1 lock to set up a stay.

Notes:

Hold the upper side of the stay. Avoid touching its shutter.

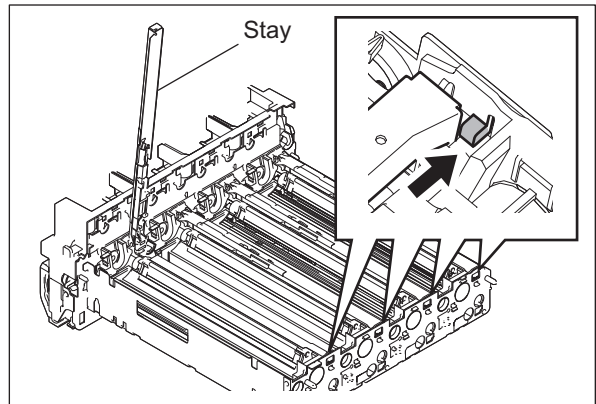


Fig. 4-324

(7) Release 1 hook and take off the duct.

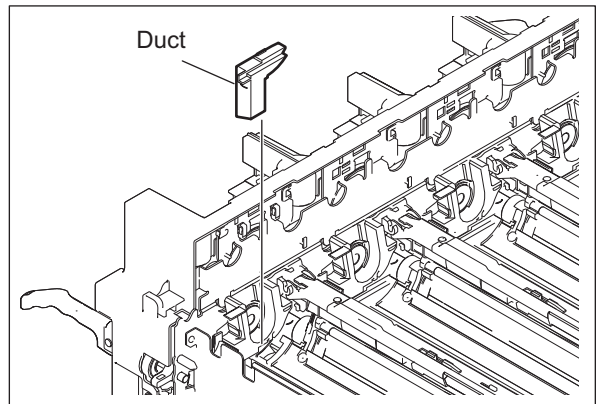


Fig. 4-325

(8) Pull out the developer unit slightly toward you, and then take off the developer unit by holding its rear side up.

Notes:

1. When installing or taking off the developer unit, be careful not to hit the unit to the surrounding parts, especially to a sensor at the bottom of the EPU tray.

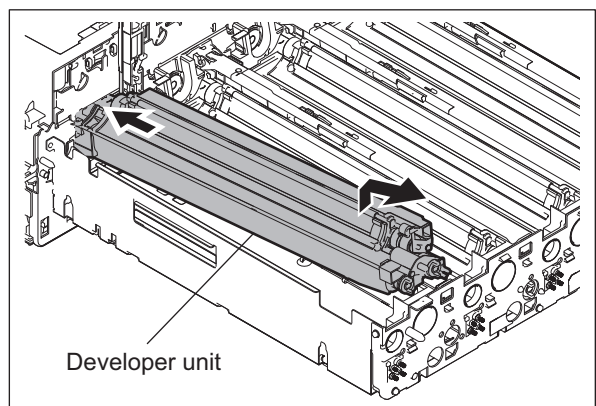


Fig. 4-326

2. Never turn the 2 couplings behind the developer unit in a direction opposite to the one shown with the arrow.

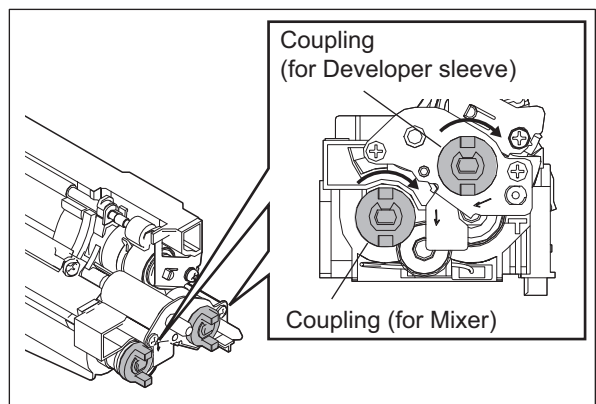


Fig. 4-327

4.6.25 Developer material

- (1) Take off the Developer unit.
📖 P. 4-110"4.6.24 Developer unit"
- (2) Release 2 hooks and then take off the developer front cover by sliding it.

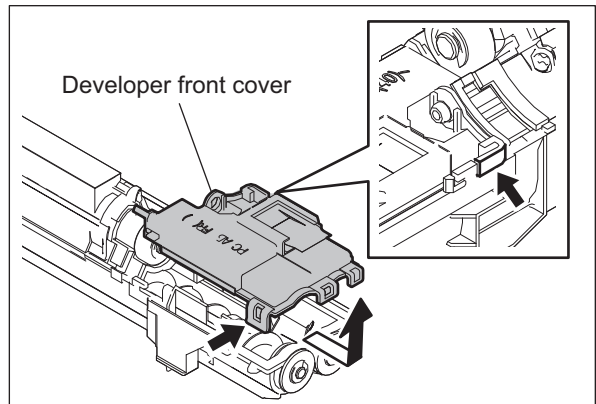


Fig. 4-328

- (3) Take off the developer upper unit by sliding it.

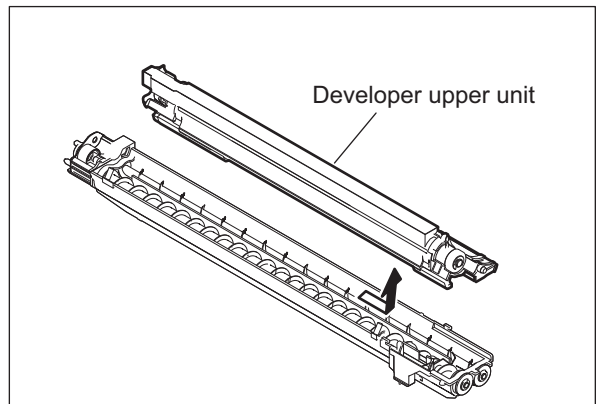


Fig. 4-329

- (4) Discharge the developer material.

Notes:

When discharging the developer material, be careful not to scatter the developer material on the gear in the developer unit.

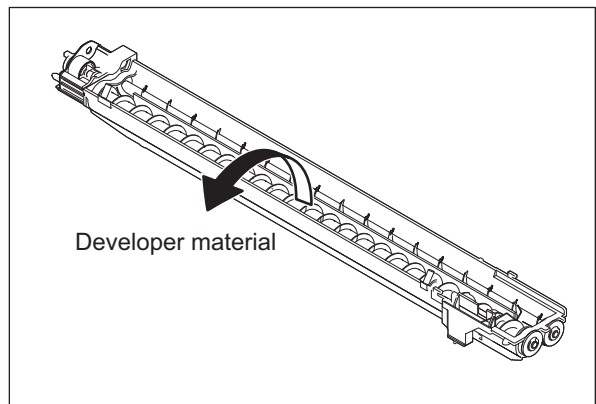


Fig. 4-330

Notes:

1. Never turn the 2 couplings behind the developer unit in a direction opposite to the one shown with the arrow.

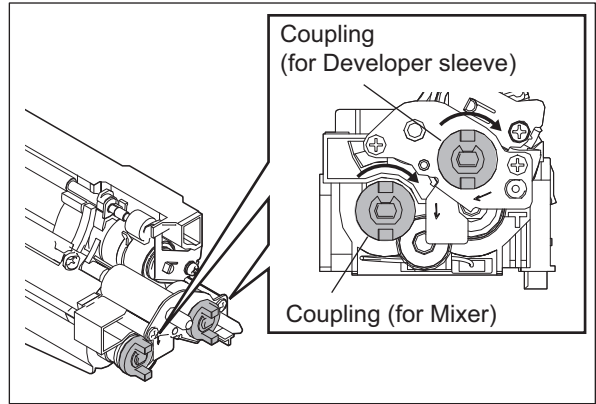


Fig. 4-331

2. Be sure not to lose the scraper in the developer. Make sure that the scraper is installed passing through the hole, and check if the coupling can be turned in the direction of the arrow in the figure.

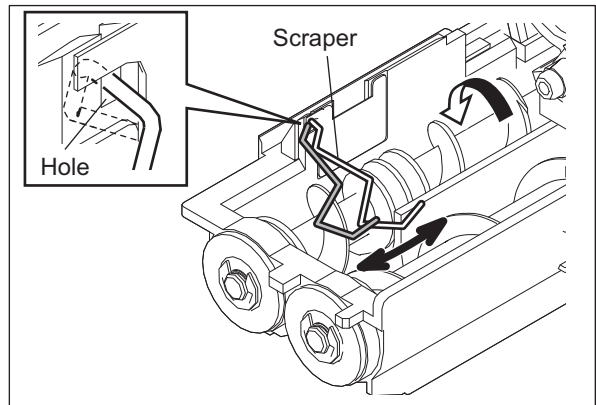


Fig. 4-332

3. Be sure that there is no developer material adhering to the driving gear in the developer unit.

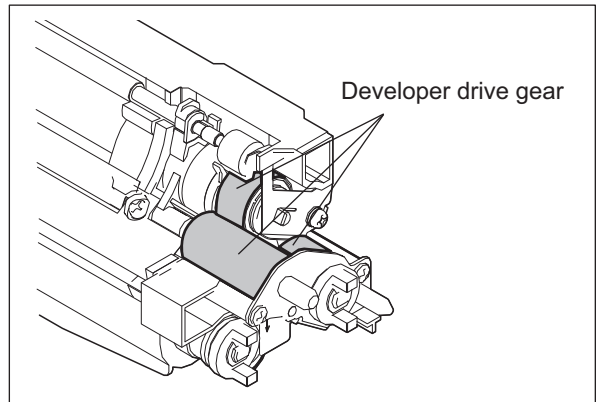



Fig. 4-333

Notes:

Normally developer material does not need to be replaced. If there is a need for replacement, follow the procedure below.

1. Scrape off developer material adhering to the magnet sleeve by rotating the coupling.
2. Install the developer unit into the equipment and attach a developer material to the sub-hopper.
3. Turn the power of the equipment ON while pressing [0] and [5] simultaneously. Then perform the code 2400.
4. Install the sub-hopper after developer material has been filled up.

4.6.26 Developer sleeve

- (1) Take off the Developer unit.
 P. 4-110"4.6.24 Developer unit"
- (2) Release 2 latches and take off the cover.

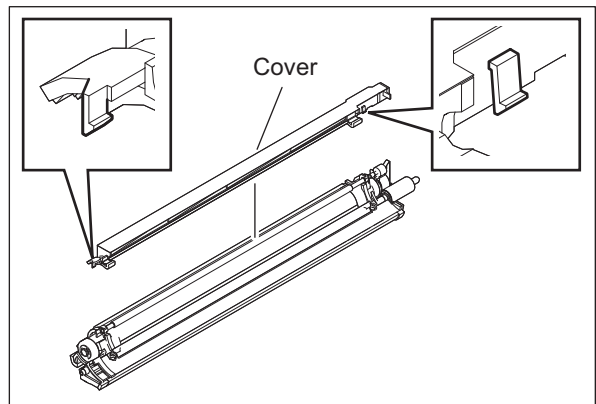


Fig. 4-334

- (3) Release the latch and take off the recovery roller.

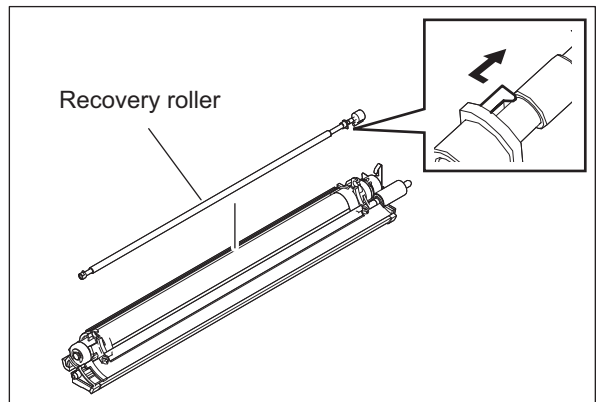


Fig. 4-335

- (4) Remove 1 screw and take off the polarity adjustment plate.

Notes:

Before disassembling, record (mark if any) the scale pointed by the polarity adjustment lever. Then match the polarity adjustment plate at the scale previously recorded when reassembling.

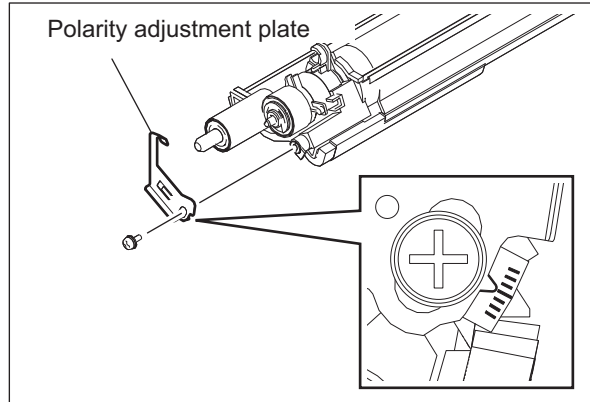


Fig. 4-336

- (5) Remove 1 E-ring each from both sides and then remove 2 bearings.

Notes:

Adjust the gap between the developer sleeve and the doctor blade after the installation.

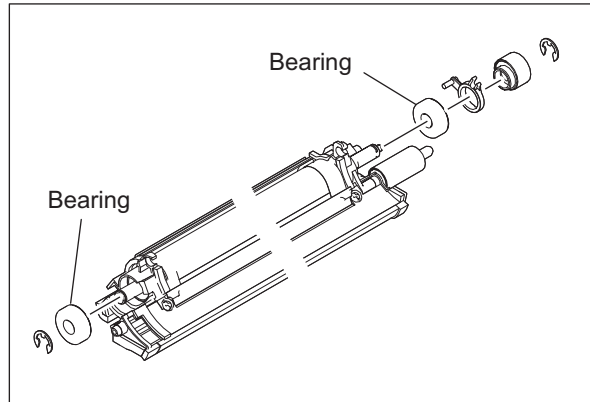


Fig. 4-337

- (6) Take off the cover which is fixed with adhesive tape.

Notes:

Be careful not to damage seals when taking off the blade cover.

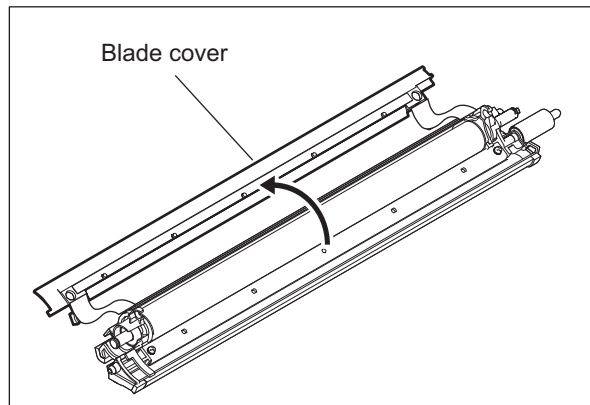


Fig. 4-338

- (7) Remove 2 E-rings and then take off the 2 bearings.

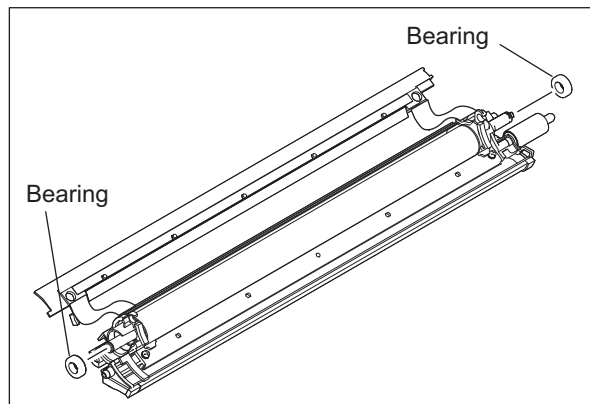


Fig. 4-339

- (8) Take off the developer sleeve.

Notes:

When installing, adjust the gap between the developer sleeve and the doctor blade.

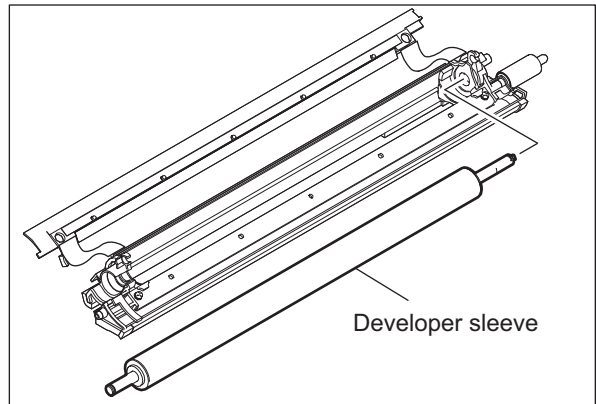


Fig. 4-340

4.6.27 Doctor blade

- (1) Take off the blade cover.
P. 4-114"4.6.26 Developer sleeve"
- (2) Remove 2 screws and then take off the doctor blade.

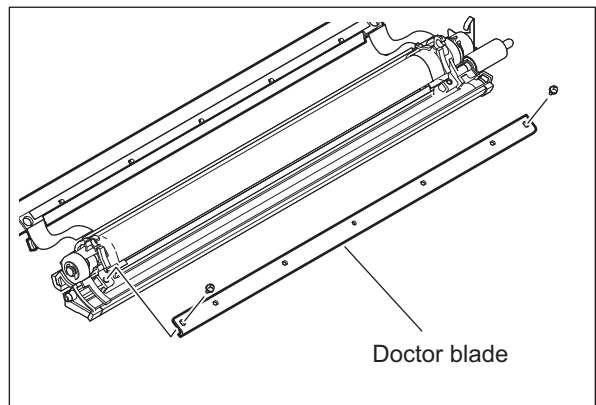


Fig. 4-341

4.6.28 Auto-toner sensor-K/C/M/Y (S26/S27/S28/S29)

- (1) Take off the corresponding process unit (EPU) in which the auto-toner sensor is installed, and then take off the developer unit to remove the developer material out of the unit.
P. 4-110"4.6.24 Developer unit"
P. 4-112"4.6.25 Developer material"
- (2) Disconnect 1 connector, remove 1 screw, and then take off the auto-toner sensor.

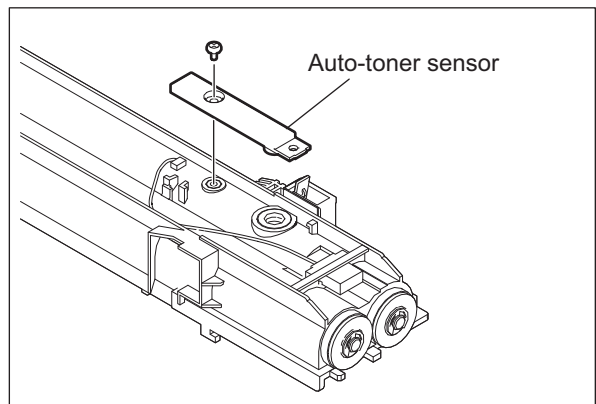


Fig. 4-342

4.6.29 Drum drive unit

- (1) Pull out the process unit.
📖 P. 4-91"4.6.1 Pulling out the process unit (EPU tray)"
- (2) Open the SYS board case.
📖 P. 9-2"9.1.3 SYS board case"
- (3) Disconnect 4 connectors and then release the harness from the clamp.

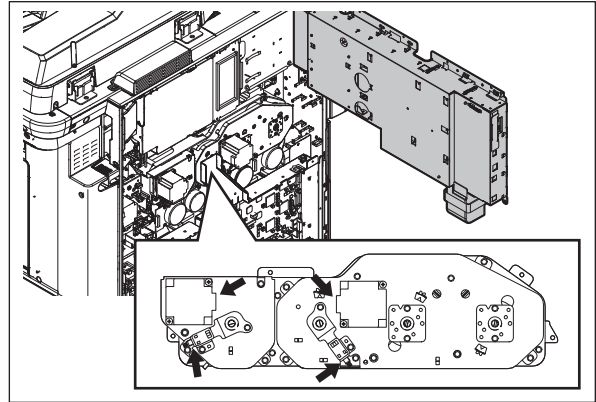


Fig. 4-343

- (4) Remove 4 screws and then take off the drum drive unit [1].

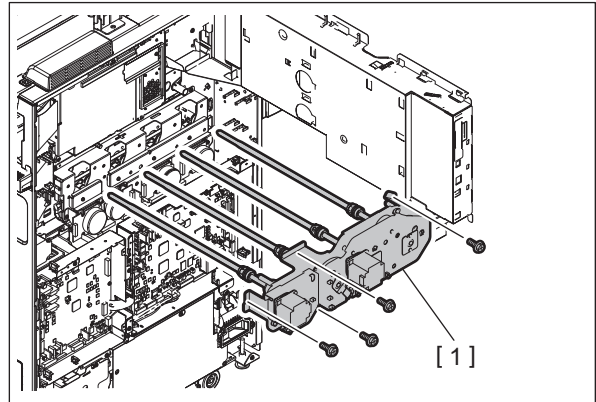


Fig. 4-344

Notes:

1. Be careful not to hit the edge and the coupling (circled in the figure) of the drum drive unit. When you place the unit, set it up as shown in the figure.
2. Do not disassemble the drum drive unit because it is assembled using a jig very precisely.

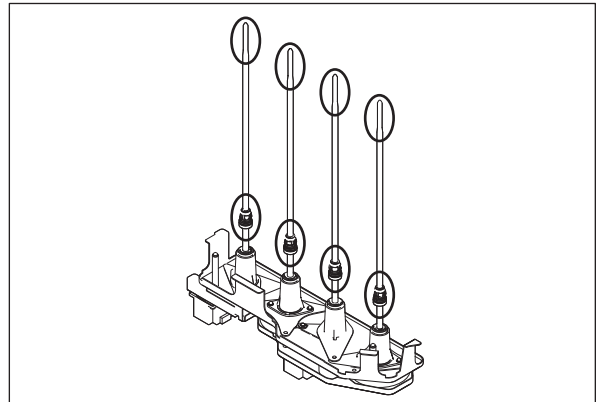



Fig. 4-345

4.6.30 Drum motor-K (M27)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 1 connector and remove 2 screws. Then take off the drum motor-K [1].

Notes:

Never loosen red screws fixing a rubber damper.

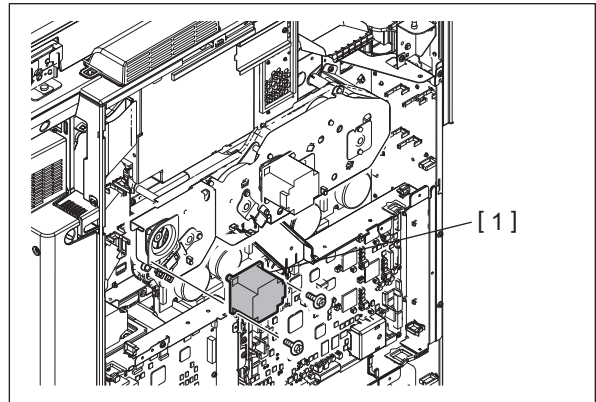



Fig. 4-346

4.6.31 Drum motor-YMC (M28)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 1 connector and remove 2 screws. Then take off the drum motor-YMC [1].

Notes:

Never loosen red screws fixing a rubber damper.

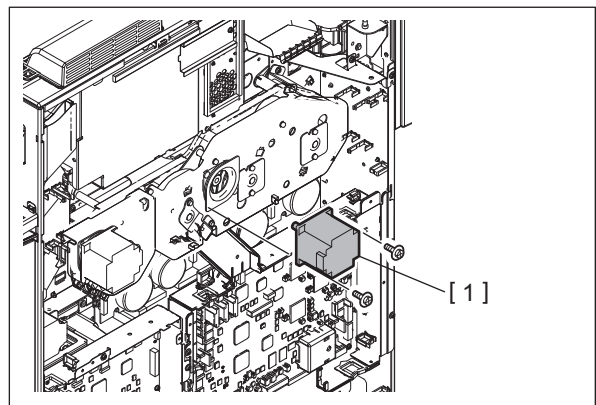


Fig. 4-347

Notes:

When installing the motor, make sure that the mark of the gear is within the area of the cutout (within the area indicated by the arrow) of the bracket (3 positions at the same time).

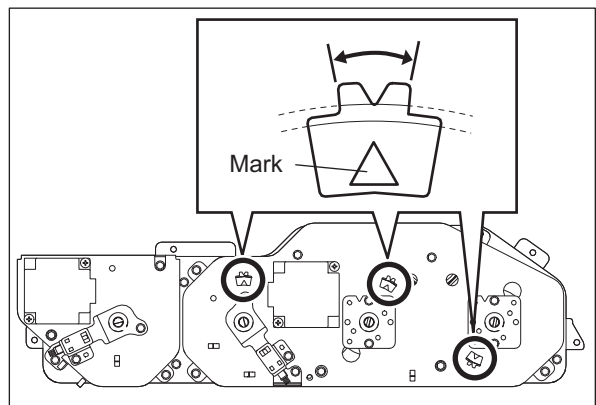


Fig. 4-348

4.6.32 K drum phase sensor (S44)

- (1) Take off the rear cover.
P. 4-7"4.1.18 Rear cover"
- (2) Release 4 re-use band [1] and take off the harness guide [2].

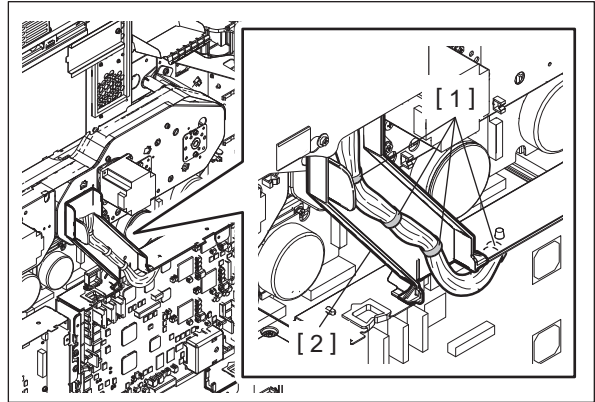


Fig. 4-349

- (3) Disconnect 1 connector and remove 2 screws. Then take off the bracket.

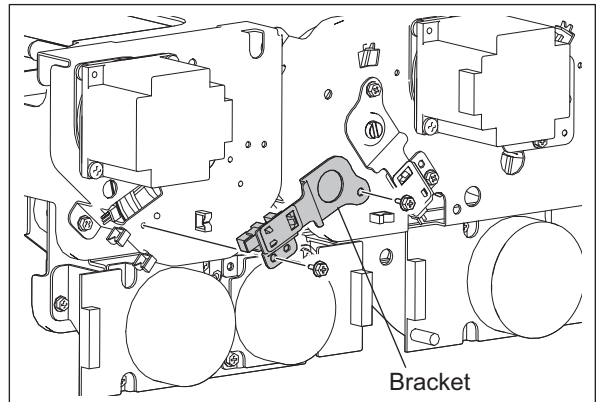


Fig. 4-350

- (4) Release 3 latches. Then take off the K drum phase sensor.

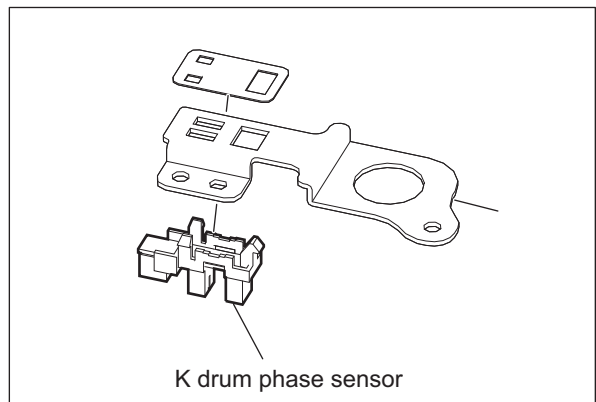


Fig. 4-351

4.6.33 Color drum phase sensor (S43)

- (1) Take off the rear cover.
P. 4-7"4.1.18 Rear cover"
- (2) Release 4 re-use band [1] and take off the harness guide [2].

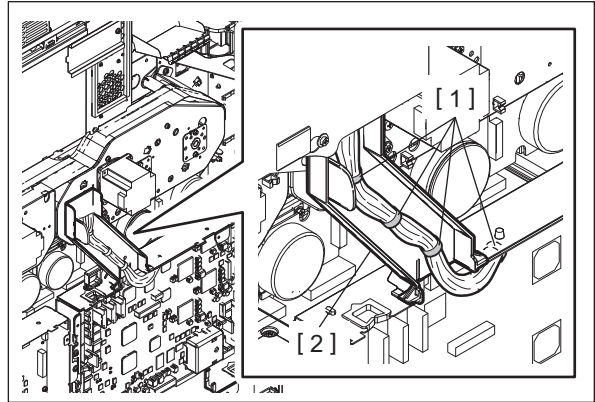


Fig. 4-352

- (3) Disconnect 1 connector and remove 2 screws. Then take off the bracket.

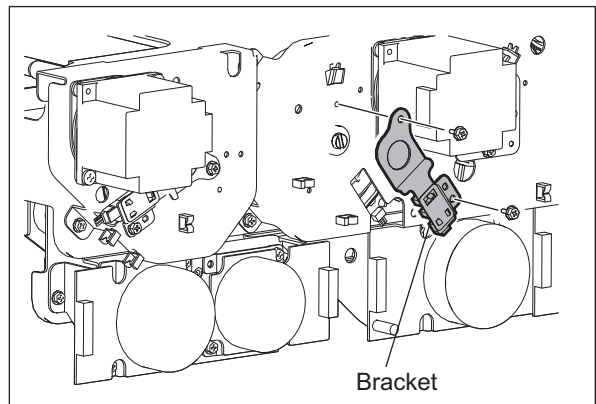


Fig. 4-353

- (4) Release 3 latches. Then take off the color drum phase sensor.

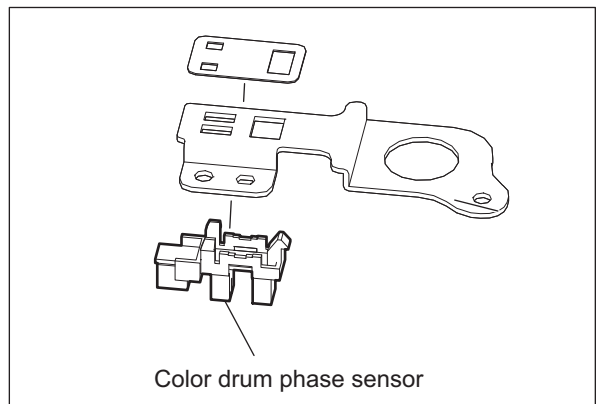


Fig. 4-354

4.6.34 Developer unit motor-K/YMC (M29)/(M31)

- (1) Take off the rear cover.
📖 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 1 connector and remove 2 screws for each motor. Then take off the developer unit motor [1].

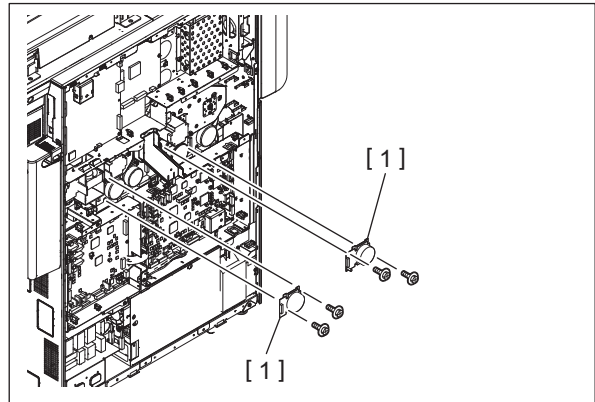


Fig. 4-355

4.6.35 Developer unit mixer motor-K/YMC (M30)/(M32)

- (1) Take off the rear cover.
📖 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 1 connector and remove 2 screws for each motor. Then take off the developer unit mixer motor [1].

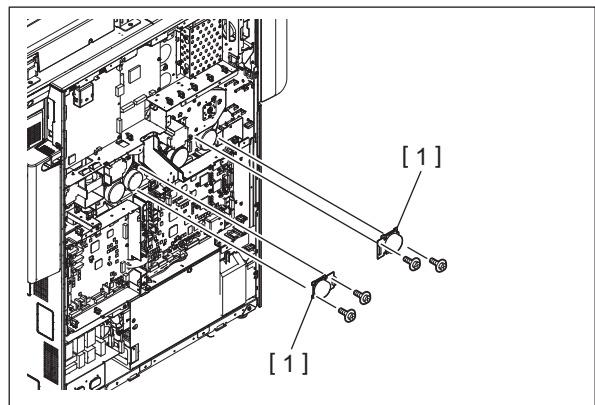


Fig. 4-356

4.6.36 Developer drive unit

- (1) Take off the drum drive unit.
📖 P. 4-117"4.6.29 Drum drive unit"
- (2) Disconnect 4 connectors and remove 3 screws. Then take off the developer drive unit.

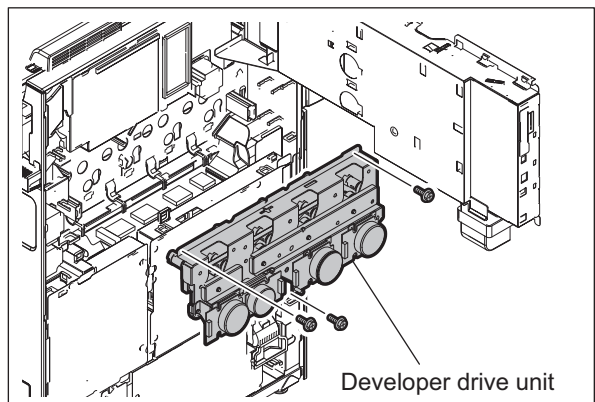


Fig. 4-357

4.6.37 Waste toner box

- (1) Open the waste toner cover.

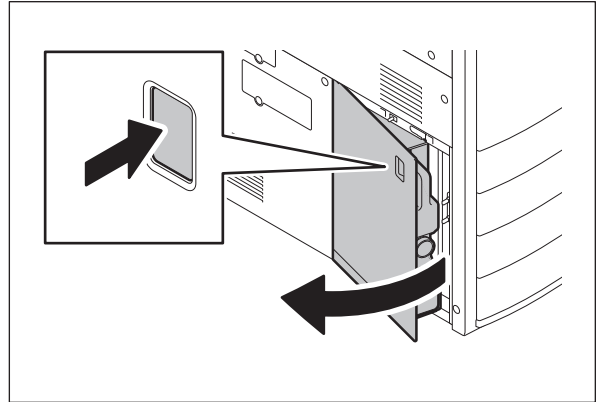


Fig. 4-358

- (2) Take out the waste toner box.

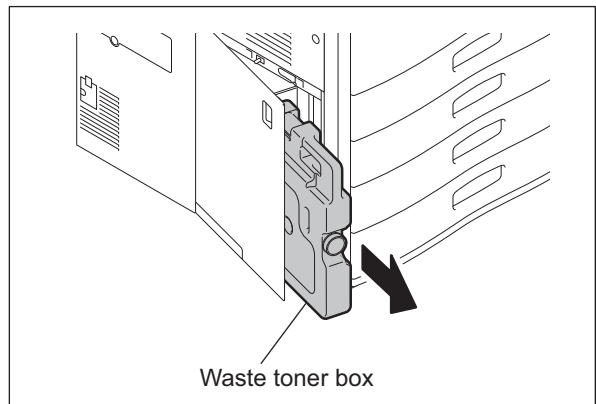


Fig. 4-359

- (3) Attach the cap.

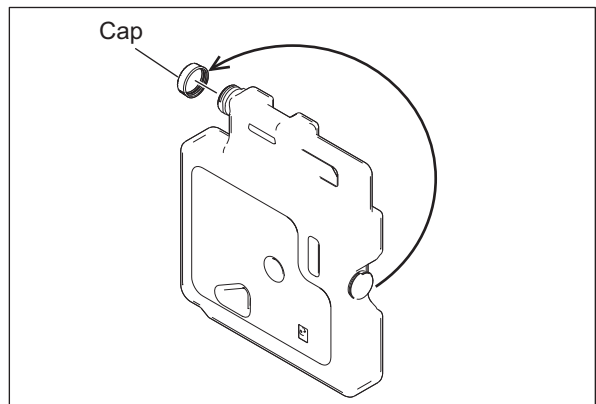


Fig. 4-360

4.6.38 Waste toner amount detection sensor (S13)

- (1) Take off the left lower cover.
📖 P. 4-4"4.1.11 Left lower cover"
- (2) Remove 1 screw and then take off the bracket.

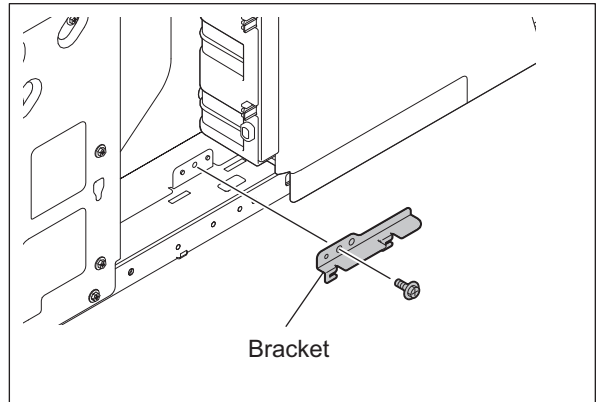


Fig. 4-361

- (3) Hold up the bottom of the case and remove a dowel. Then remove the case by lowering it.

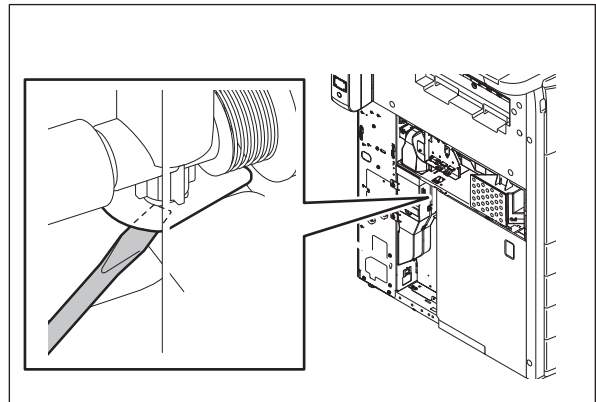


Fig. 4-362

- (4) Hold up the bottom of the waste toner case and remove a dowel. Then remove the waste toner case by lowering it.

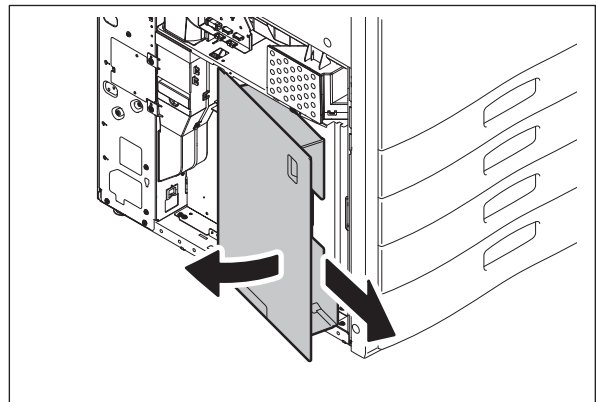


Fig. 4-363

- (5) Release 1 hook and take off the sensor cover.

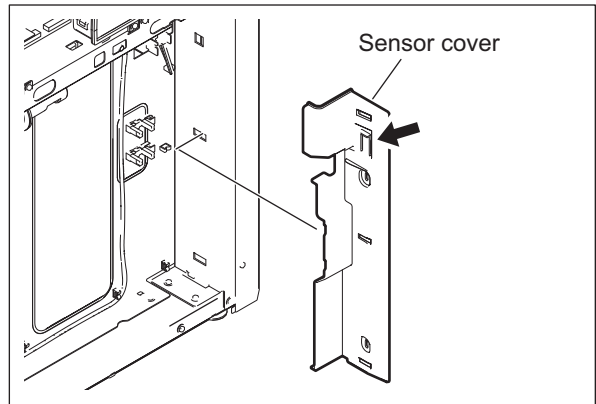


Fig. 4-364

- (6) Disconnect 1 connector, release 3 latches and take off the waste toner amount detection sensor.

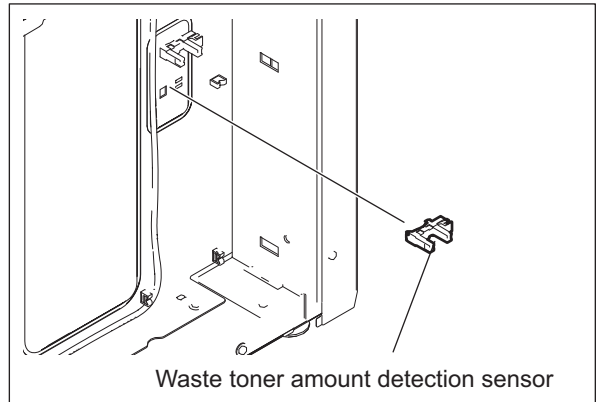


Fig. 4-365

4.6.39 Waste toner box full detection sensor (S14)

- (1) Take off the sensor cover.
P. 4-123 "4.6.38 Waste toner amount detection sensor (S13)"
- (2) Disconnect 1 connector, release 3 latches and take off the waste toner box full detection sensor.

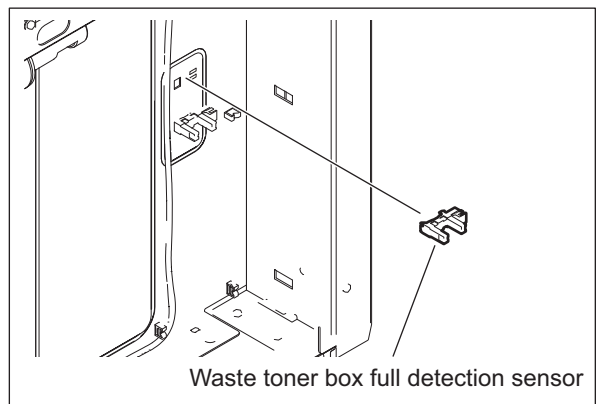


Fig. 4-366

4.6.40 Waste toner box detection sensor (S16)

- (1) Take off the sensor cover.
P. 4-123"4.6.38 Waste toner amount detection sensor (S13)"
- (2) Disconnect 1 connector, release 3 latches and take off the waste toner box detection sensor.

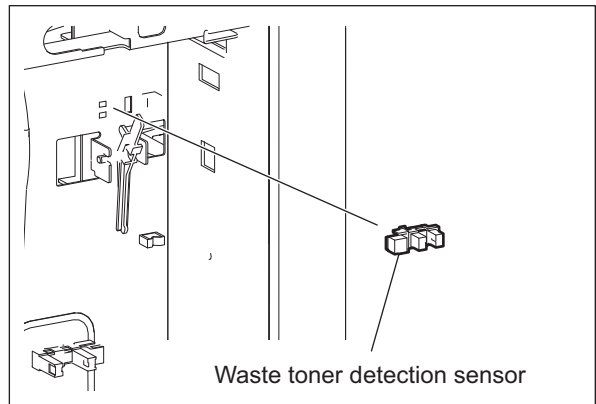


Fig. 4-367

4.6.41 Ozone filter-1

- (1) Remove 2 screws and take off the filter cover.

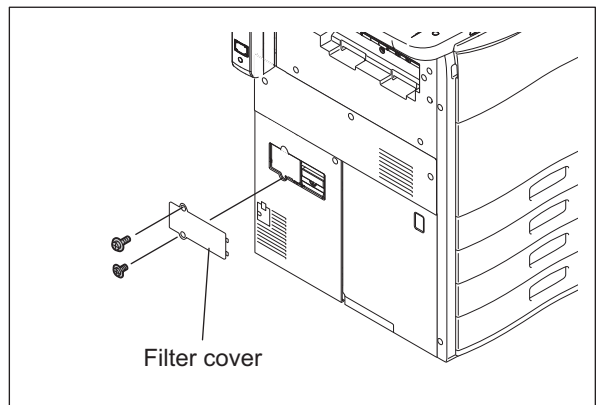


Fig. 4-368

- (2) Take off the ozone filter-1.

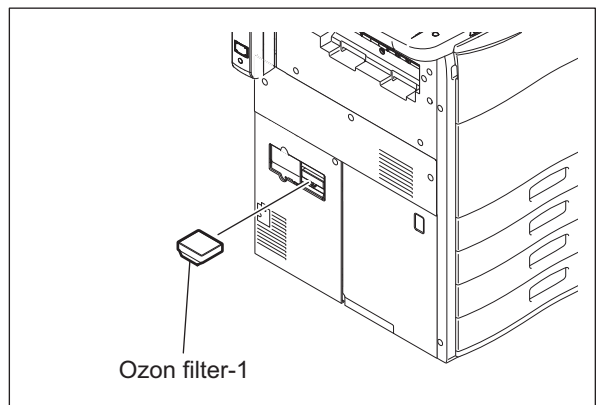


Fig. 4-369

4.6.42 Ozone filter-2

- (1) Remove 2 screws and take off the cover.

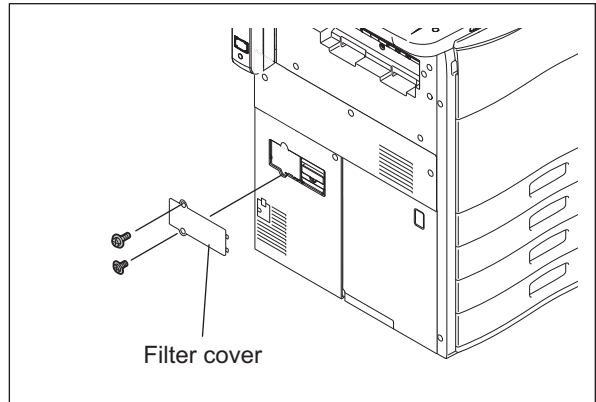


Fig. 4-370

- (2) Take off the ozone filter-2.

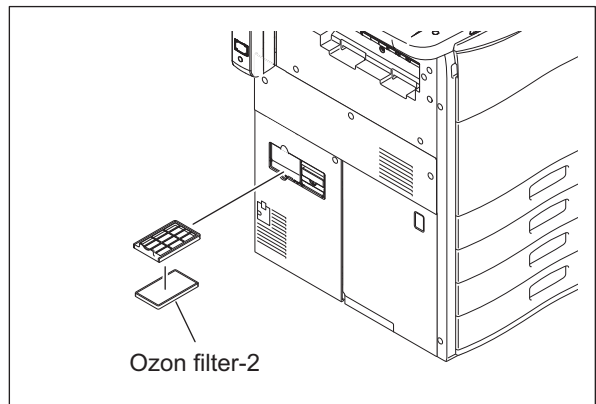


Fig. 4-371

4.6.43 Toner filter

- (1) Remove 2 screws and take off the cover.

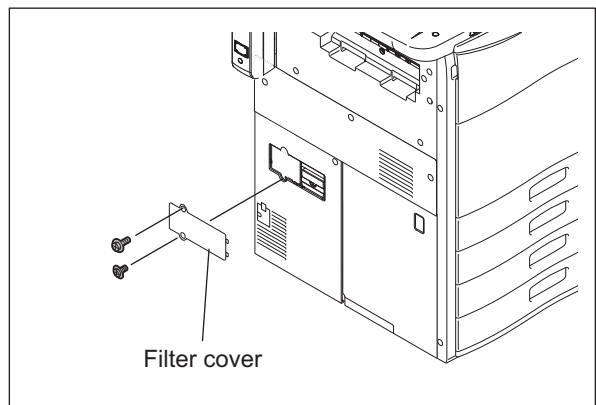


Fig. 4-372

(2) Take off the toner filter.

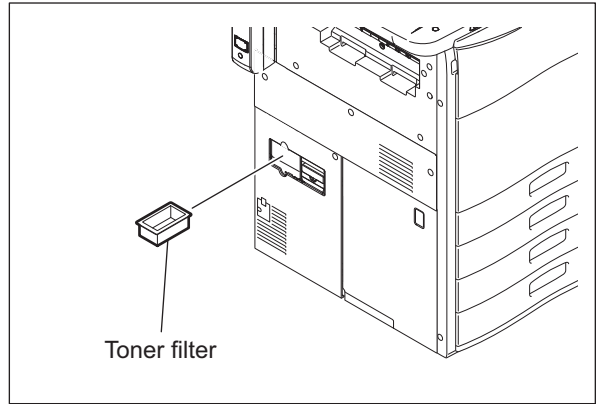


Fig. 4-373

4.6.44 Toner motor (K/C/M/Y) (M15/M16/M17/M18)

- (1) Take off the front cover.
📖 P. 4-1"4.1.2 Front cover"
- (2) Take off the switch cover.
📖 P. 4-135"4.6.52 Toner motor interlock switch (SW3)"
- (3) Remove 2 screws and take off the toner guide by sliding it to the left and pulling it out toward you.

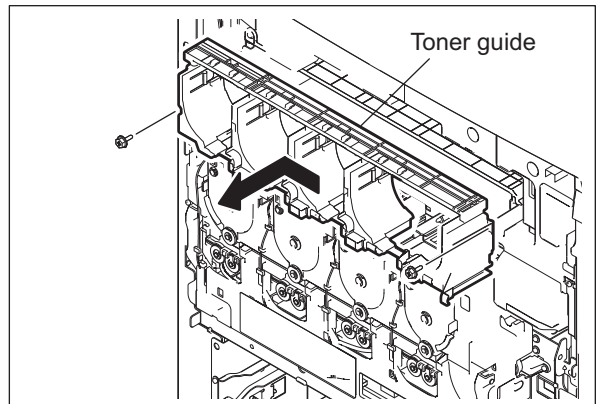


Fig. 4-374

- (4) Remove 2 screws and pull the toner cover a little toward you to release the hook. Then take off the toner cover by lifting it up a little.

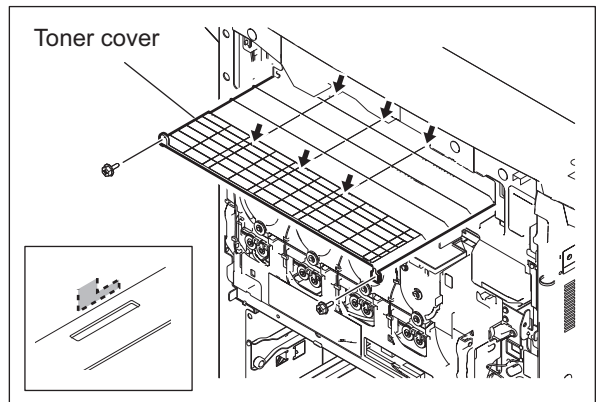


Fig. 4-375

- (5) Remove 3 screws and 3 stays.

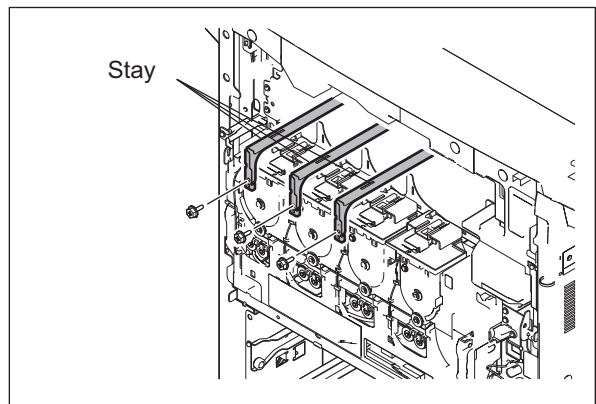


Fig. 4-376

- (6) Release a harness from a harness clamp and disconnect 1 connector.
- (7) Remove 2 screws and take off the toner motor assembly.

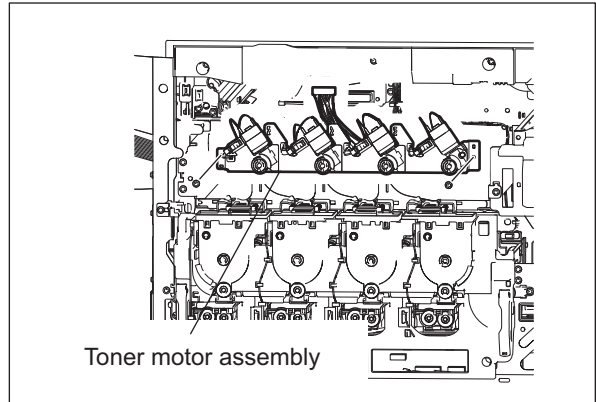


Fig. 4-377

- (8) Release 2 hooks and remove the gear.

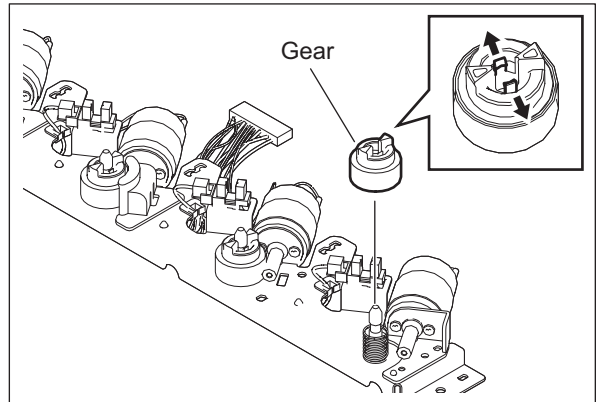


Fig. 4-378

- (9) Disconnect 1 connector and remove 2 screws to take off each toner motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

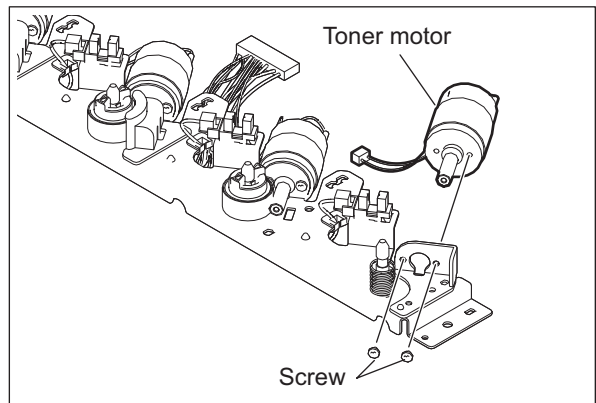


Fig. 4-379

4.6.45 Toner cartridge paddle rotation detection sensor-K/C/M/Y (S8/S9/S10/S11)

- (1) Take off the toner motor assembly.
P. 4-128"4.6.44 Toner motor (K/C/M/Y) (M15/M16/M17/M18)"
- (2) Disconnect 1 connector and release 3 latches. Then take off the toner cartridge paddle rotation detection sensor.

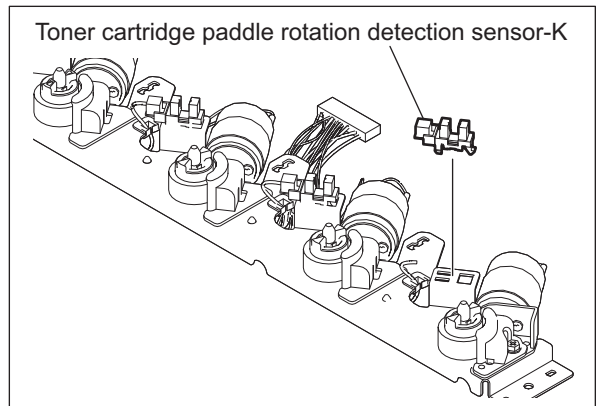


Fig. 4-380

4.6.46 Waste toner transport motor (M33)

- (1) Take off the left lower cover.
P. 4-4"4.1.11 Left lower cover"
- (2) Remove 2 screws, separate the belt from the pulley, and then take off the motor drive unit.

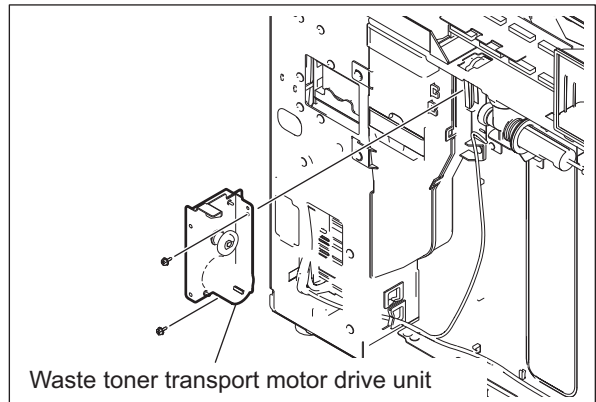


Fig. 4-381

- (3) Remove 2 screws, 1 C-ring and 1 bushing, and then take off the bracket.

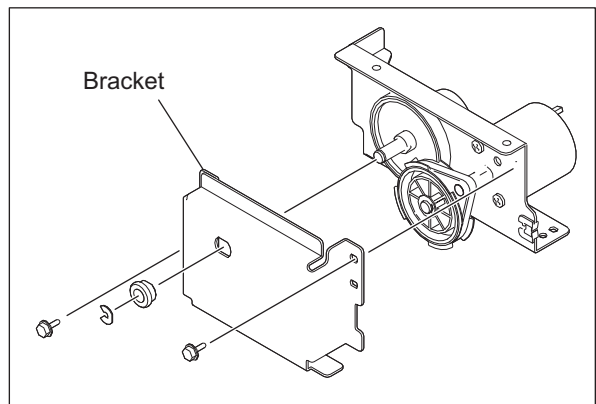


Fig. 4-382

- (4) Remove 2 screws, separate the belt from the pulley, and then take off the waste toner transport motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

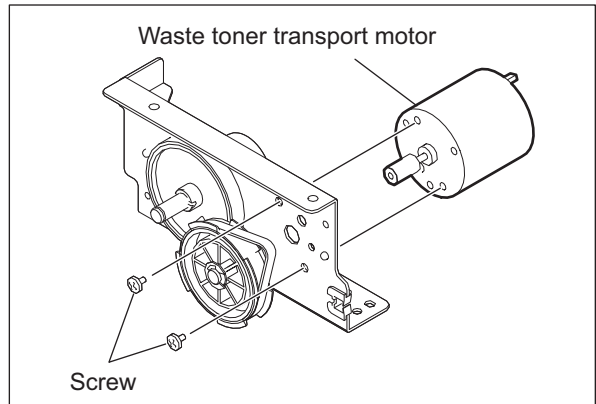


Fig. 4-383

4.6.47 Waste toner transport unit

- (1) Take off the waste toner transport motor.
P. 4-130"4.6.46 Waste toner transport motor (M33)"
- (2) Remove the stay.
P. 4-132"4.6.48 Ozone suctioning fan (F24)"
- (3) Remove 5 screws and then take off the waste toner transport unit.

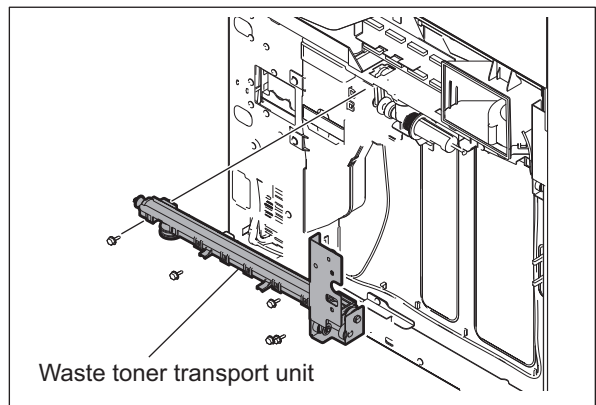


Fig. 4-384

Notes:

When you reinstall the removed belt of the waste toner drive unit, check that the belt does not contact a plate.

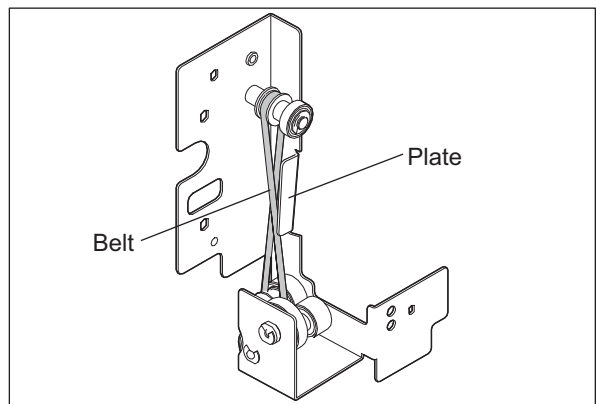


Fig. 4-385

4.6.48 Ozone suctioning fan (F24)

- (1) Take off the left lower cover.
📖 P. 4-4"4.1.11 Left lower cover"
- (2) Take off the ozone filter-1.
📖 P. 4-125"4.6.41 Ozone filter-1"
- (3) Take off the waste toner case.
📖 P. 4-123"4.6.38 Waste toner amount detection sensor (S13)"
- (4) Remove 4 screws, and then take off the stay.

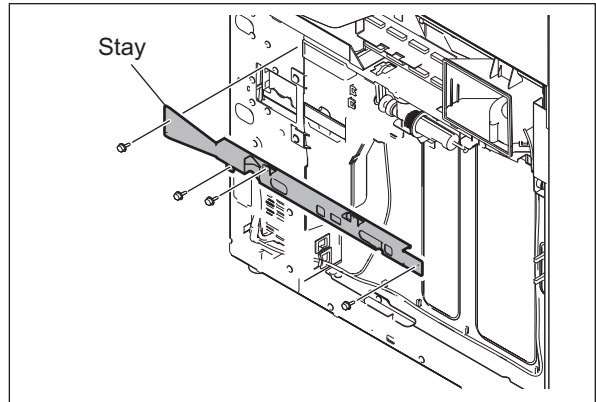


Fig. 4-386

- (5) Remove 3 screws, disconnect 1 connector, and then take off the duct.

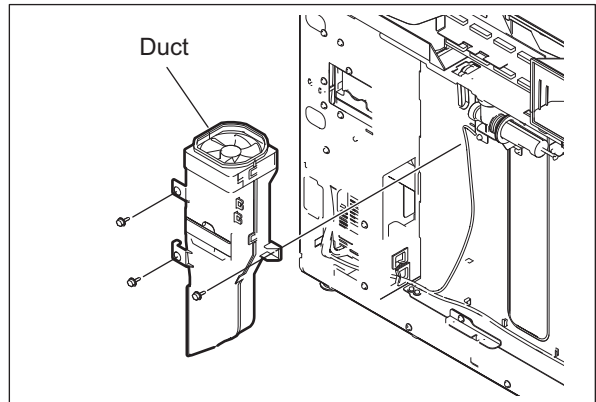


Fig. 4-387

- (6) Release 7 latches to separate the duct from the fan. Then take off the ozone suctioning fan (F24).

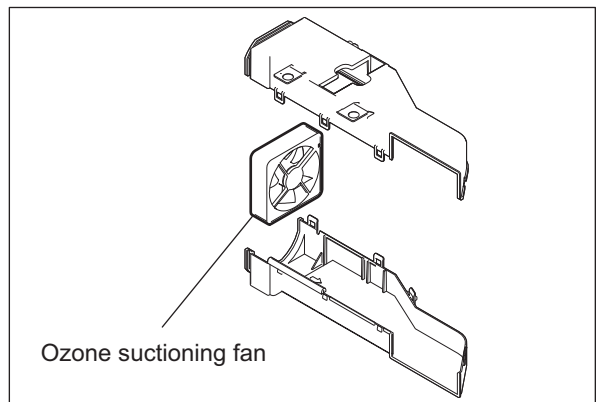


Fig. 4-388

4.6.49 Toner cartridge heat insulation fan (F21)

- (1) Take off the front cover.
📖 P. 4-1"4.1.2 Front cover"
- (2) Take off the toner guide.
📖 P. 4-128"4.6.44 Toner motor (K/C/M/Y)
(M15/M16/M17/M18)"
- (3) Remove 1 screw and take off the right inner cover.

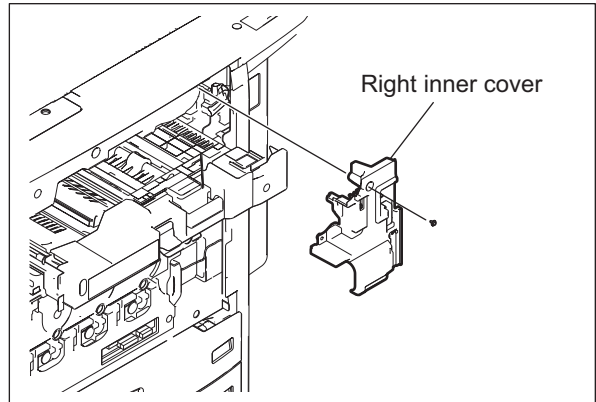


Fig. 4-389

- (4) Disconnect 1 connector, remove 1 screw and take off the duct.

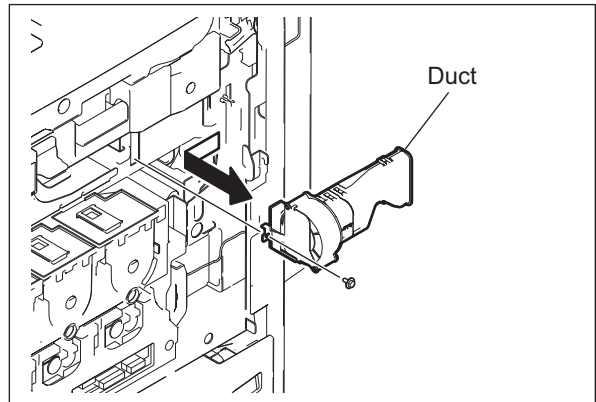


Fig. 4-390

- (5) Remove 2 screws and take off the toner cartridge cooling fan.

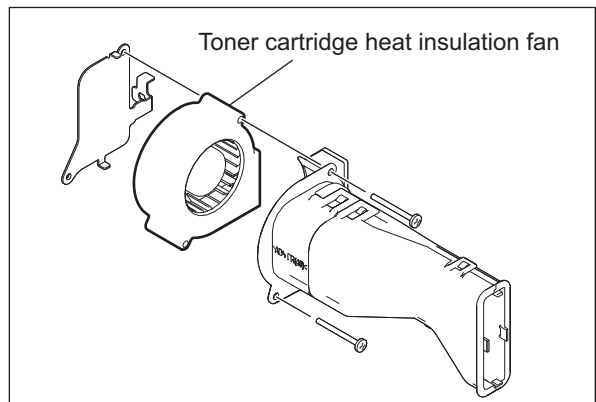


Fig. 4-391

4.6.50 Toner cooling exhaust fan (F31)

- (1) Take off the left top cover.
P. 4-4"4.1.10 Left top cover"
- (2) Disconnect 1 connector, remove 2 screws and take off the duct.

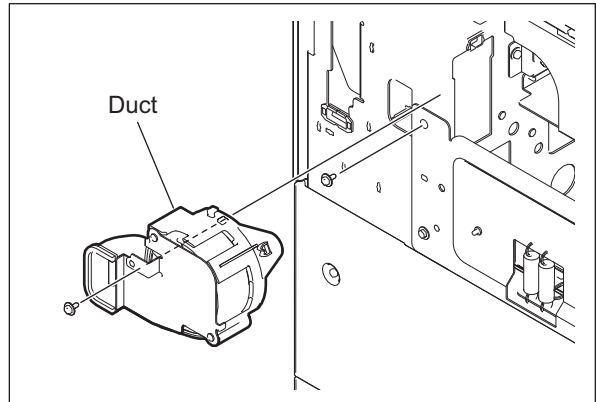


Fig. 4-392

- (3) Remove 2 screws and take off the toner cooling exhaust fan.

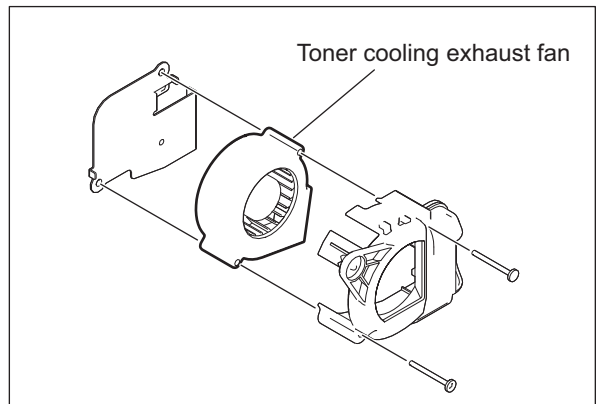


Fig. 4-393

4.6.51 Temperature/humidity sensor (S12)

- (1) Take off the laser unit cooling duct.
P. 4-38"4.4.2 Laser optical unit cooling fan (front) (F22)"
- (2) Remove 1 screw and then take off the temperature/humidity sensor.

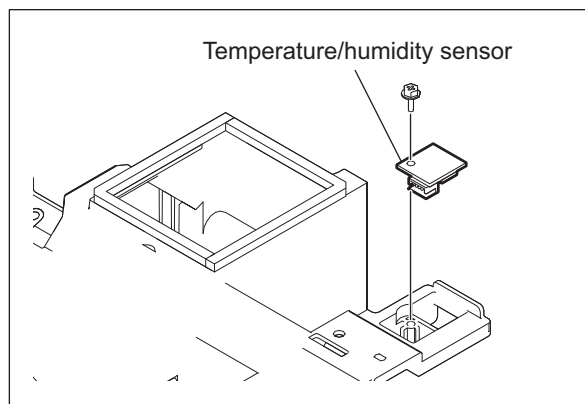


Fig. 4-394

Notes:

Be sure to attach the temperature/humidity sensor to the MFPs correspondingly since it differs between e-STUDIO5540C/6540C/6550C and e-STUDIO5560C/6560C/6570C.

- e-STUDIO5540C/6540C/6550C:
The mark on the connector is black.
- e-STUDIO5560C/6560C/6570C:
The mark on the connector is red.

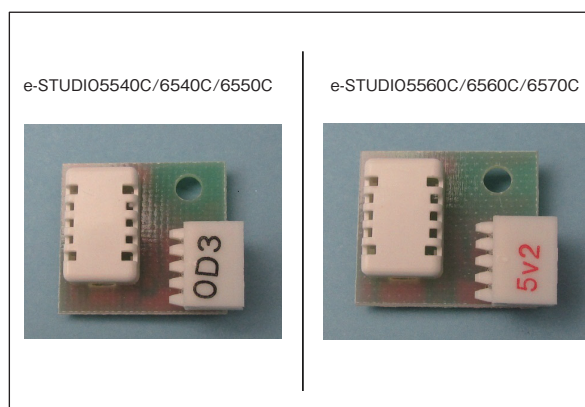


Fig. 4-395

4.6.52 Toner motor interlock switch (SW3)

Notes:

When the toner motor interlock switch (SW3) is replaced or removed, be sure to perform the operation check with the output check (test mode 03). If the installation is insufficient, this switch is not performing properly. In this case, you may touch the rotating portions such as the gear in the toner motor during the drive and could be injured as a result.

- (1) Take off the left corner cover.
P. 4-8"4.1.21 Left corner cover"
- (2) Take off the bridge unit.
P. 4-213"4.10.11 Bridge unit"
- (3) Insert 2 rails all the way in.

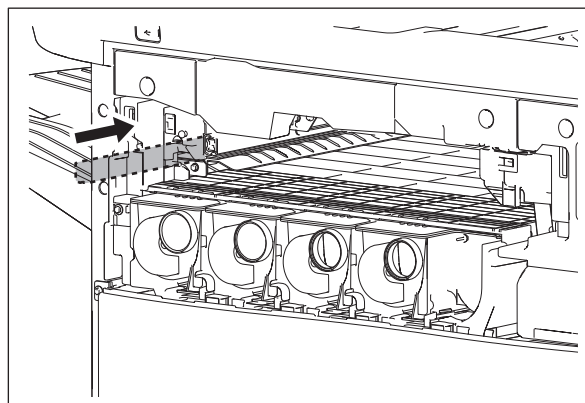


Fig. 4-396

- (4) Remove 4 screws and take off the inner cover.

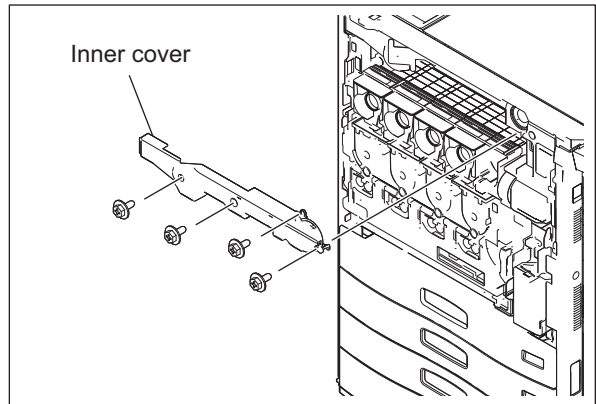


Fig. 4-397

- (5) Remove 2 screws and take off the switch cover.

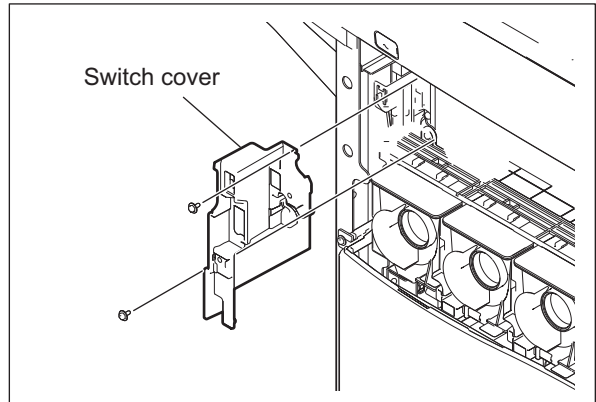


Fig. 4-398

- (6) Remove 2 screws and take off the switch bracket.

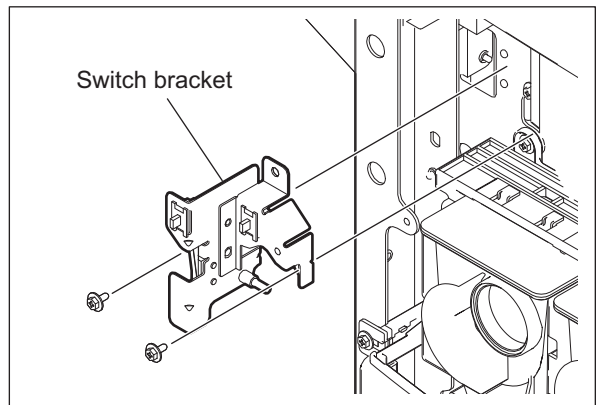


Fig. 4-399

- (7) Disconnect 2 connectors, remove 2 screws and take off the toner motor interlock switch.

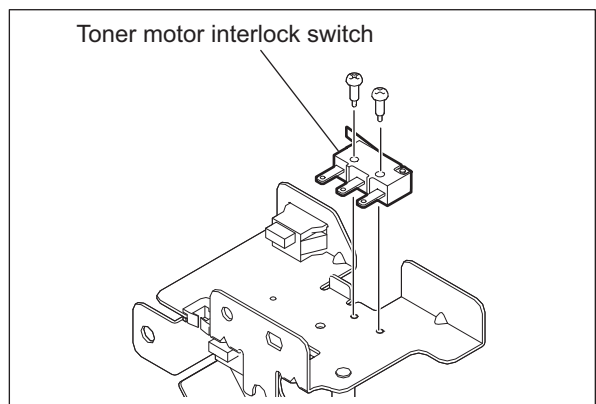


Fig. 4-400

4.6.53 EPU cooling fan (F14)

- (1) Take off the EPU cooling fan duct.
📖 P. 4-35"4.4.1 Laser optical unit"
- (2) Release 5 latches. Then take off the EPU cooling fan.

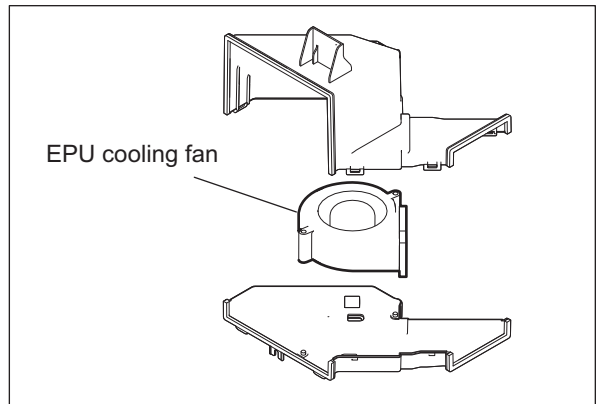


Fig. 4-401

4.6.54 Scattered toner suctioning fan (F25)

- (1) Take off the LGC board case.
📖 P. 9-6"9.1.7 LGC board case"
- (2) Take off the switching regulator.
📖 P. 9-18"9.1.15 Switching regulator (PS)"
- (3) Take off the left middle cover and the left lower cover.
📖 P. 4-4"4.1.9 Left middle cover"
📖 P. 4-4"4.1.11 Left lower cover"
- (4) Take off the Developer unit mixer motor (YMC).
📖 P. 4-121"4.6.35 Developer unit mixer motor-K/YMC (M30)/(M32)"
- (5) Disconnect 1 connector and then release the harness from the clamp.
- (6) Rotate 2 clamps by 90 degrees to take them off.

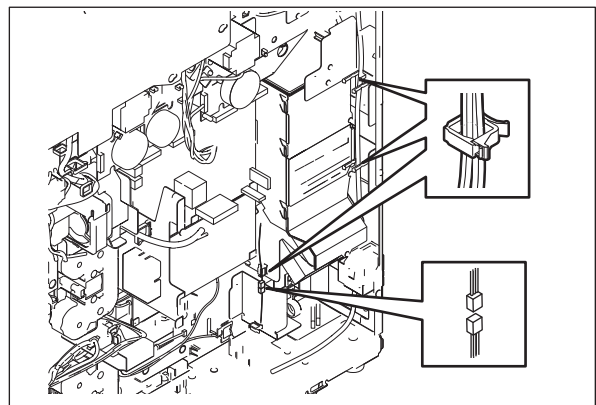


Fig. 4-402

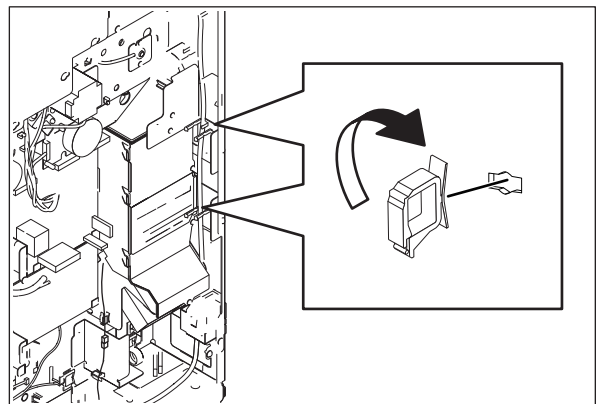


Fig. 4-403

- (7) Remove 4 screws and then take off the duct.

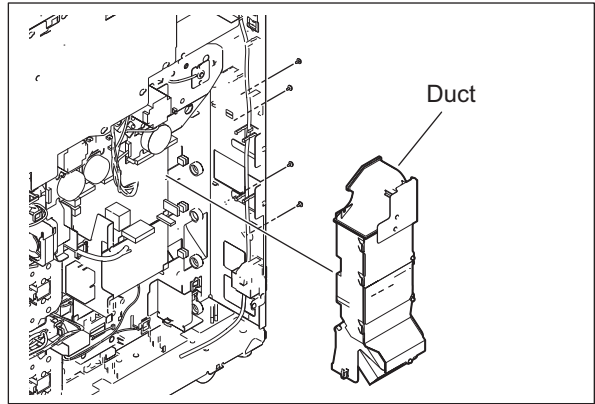


Fig. 4-404

- (8) Remove 3 screws and then take off the scattered toner suctioning fan.

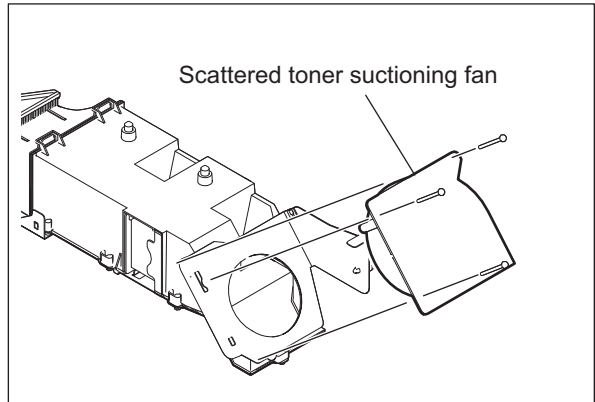



Fig. 4-405

4.7 Transfer Unit

4.7.1 Pulling out the transfer belt unit

- (1) Open the duplexing unit.
- (2) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"

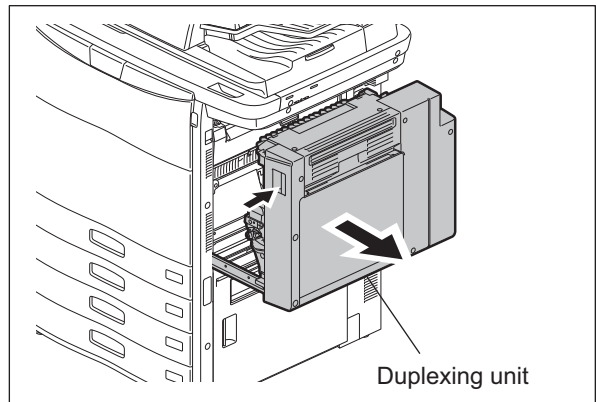


Fig. 4-406

- (3) Turn the TBU locking lever for 90 degrees.

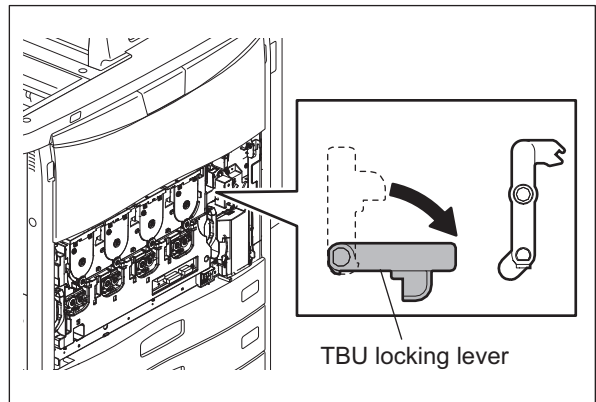


Fig. 4-407

- (4) Lift up the EPU locking lever.

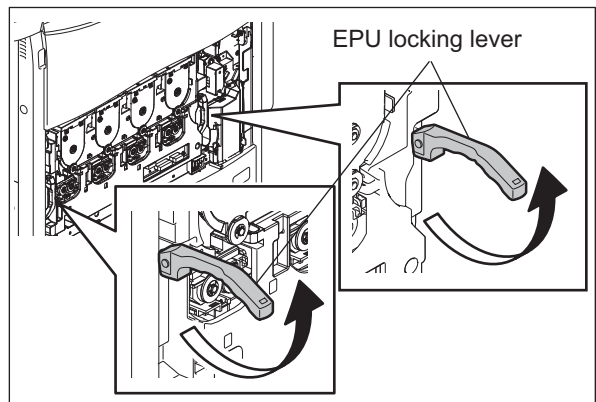


Fig. 4-408

- (5) Turn the EPU locking lever for 90 degrees.

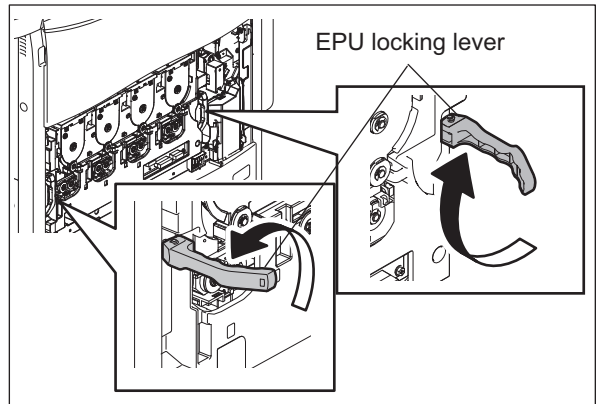


Fig. 4-409

- (6) Pull out the process unit by holding the EPU locking lever.

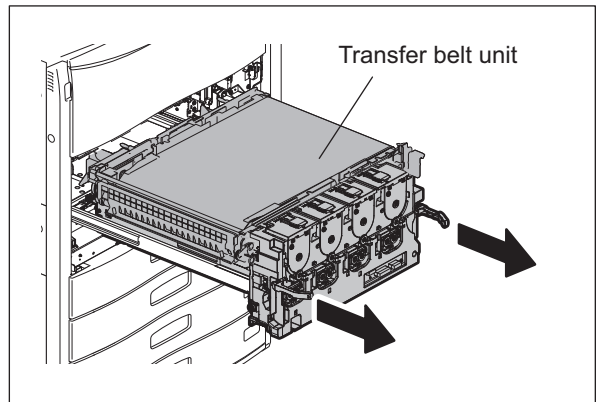


Fig. 4-410

Notes:

Make sure that the transfer belt unit is pulled out fully. Also, check if the transfer belt unit is completely set before closing the duplexing unit.

Do not close the duplexing unit when the transfer belt unit (EPU tray) is pulled out slightly (i.e., not fully closed) or not opened fully, otherwise the following parts may be damaged or fall off.

- The clips on both edges of the 2nd transfer roller may fall off.
- The 2nd transfer front guide may be damaged.
- The transfer belt may be damaged.
- The 2nd transfer roller may be damaged.
- The bearings on both edges of the 2nd transfer roller may fall off.

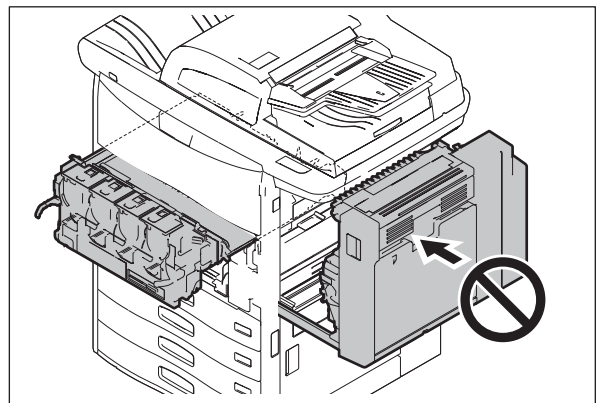



Fig. 4-411

4.7.2 2nd transfer facing roller cleaning pad

- (1) Take off the front lower cover.
 P. 4-1"4.1.1 Front lower cover"
- (2) Remove 1 screw and then take off the 2nd transfer facing roller cleaning pad [1].

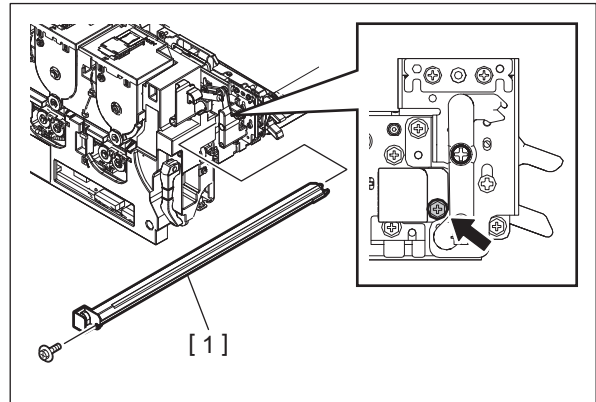



Fig. 4-412

4.7.3 Transfer belt cleaning unit

- (1) Pull out the transfer belt unit.
 P. 4-139"4.7.1 Pulling out the transfer belt unit"
- (2) Take off the transfer belt cleaning unit.

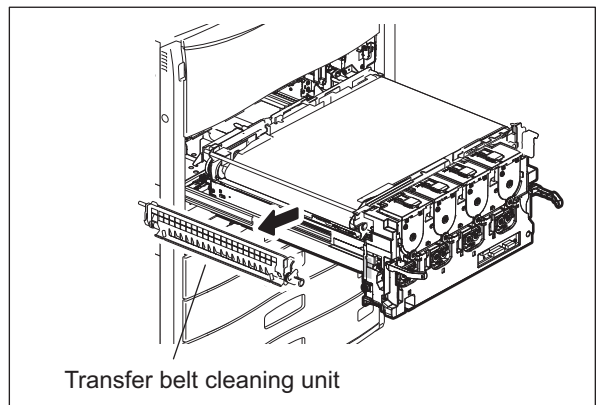


Fig. 4-413

Notes:

Follow the procedure below for the installation.

1. Place the dent of the cleaner on the stud A, and hook the shaft on the portion B as shown in the figure.
2. Place the front side of the unit on the waste toner duct.
3. Press a label on the shutter with your finger.
If shutter movement is bad, clean the nozzle surface and shutter's inner diameter area.

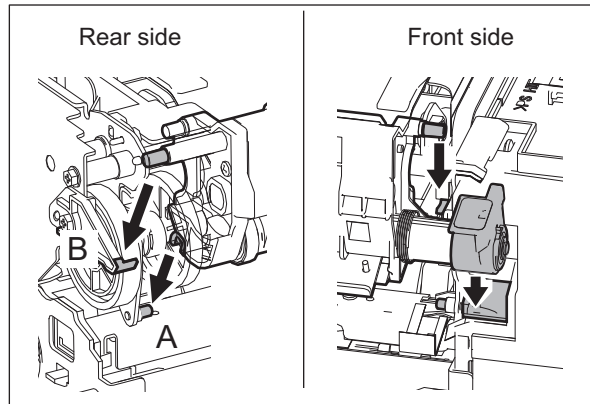


Fig. 4-414

4. Fix the cleaner by pushing its upper side.

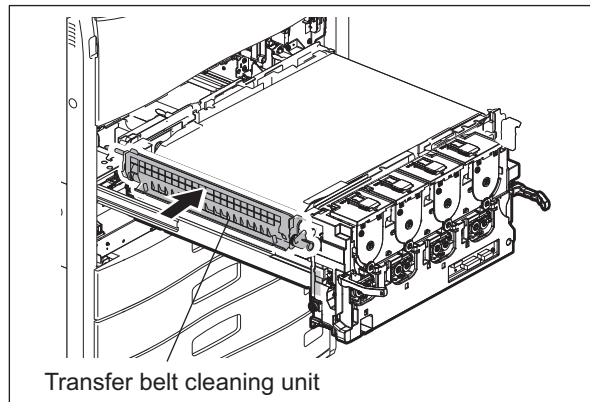


Fig. 4-415

Notes:

When taking off the TBU cleaner, clean it if it is dusty or stained [1].
When the film sheet indicated by the figure gets dusty or stained

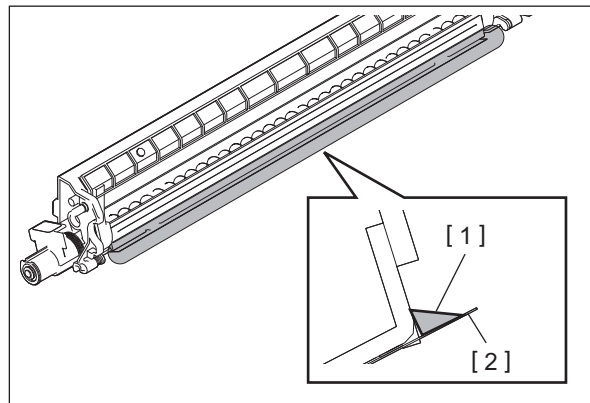



Fig. 4-416

4.7.4 Transfer belt cleaning blade

- (1) Take off the transfer belt cleaning unit.
 P. 4-141"4.7.3 Transfer belt cleaning unit"
- (2) Remove 2 screws and then take off the transfer belt cleaning blade [1].

Notes:

When taking off the transfer belt cleaning blade, be sure to check the back side and clean it if it is dirty.

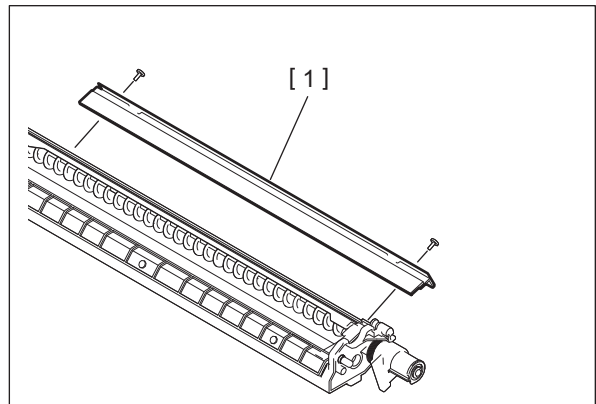



Fig. 4-417

4.7.5 Transfer belt cleaner side seal

- (1) Take off the transfer belt cleaning unit.
 P. 4-141"4.7.3 Transfer belt cleaning unit"
- (2) Remove 2 screws and then take off the recovery blade [1].

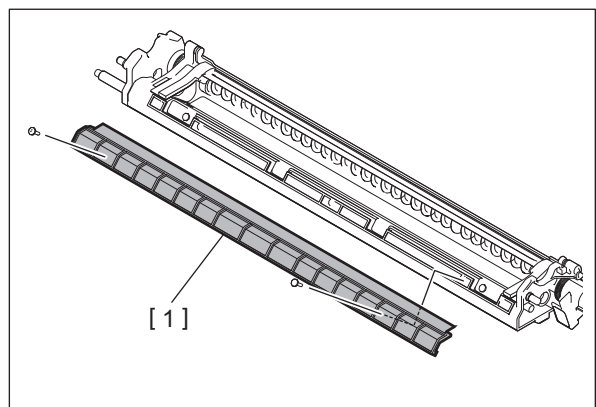


Fig. 4-418

- (3) Remove the transfer belt cleaner side seals on both sides.

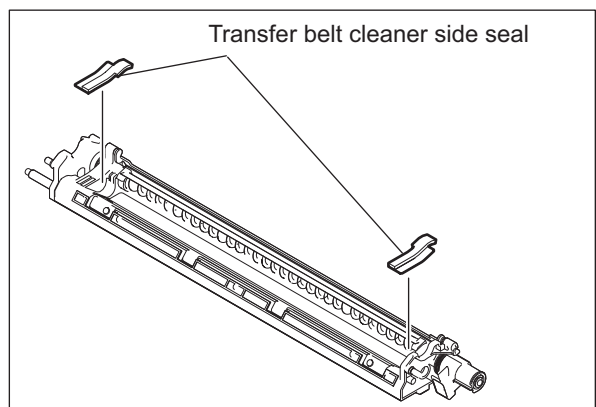


Fig. 4-419

Notes:

When replacing the transfer belt cleaner side seals, follow the procedure below.

1. Move the blade to the rear side and then install it with 2 screws.
2. Install the 2 transfer belt cleaner side seals following the standard shown in the figure.

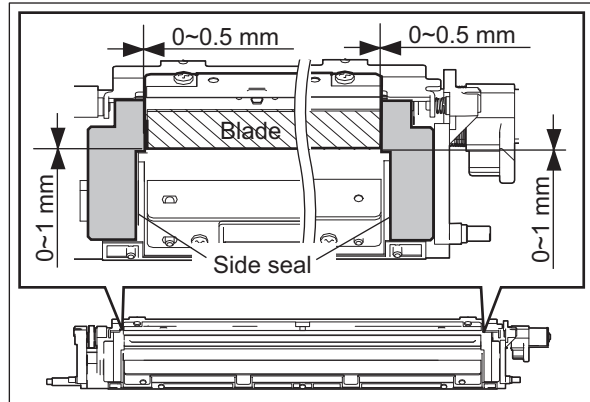


Fig. 4-420

3. After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

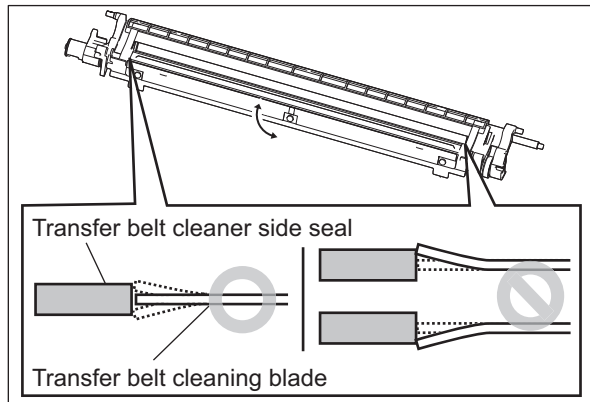


Fig. 4-421

4.7.6 Transfer belt unit (TBU)

- (1) Take off the transfer belt cleaning unit.
P. 4-141 "4.7.3 Transfer belt cleaning unit"
- (2) Pull out 2 hand grips.

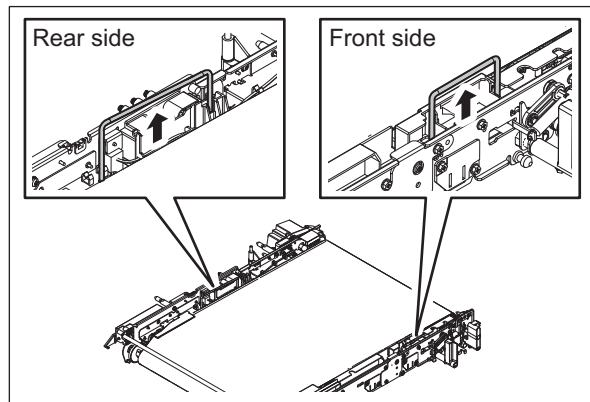


Fig. 4-422

- (3) Take off the transfer belt unit [1] with its front side up slantwise not to hit the motor on its rear side to the equipment.

Notes:

When the transfer belt unit [1] or the lever assembly is replaced, be sure to perform the adjustment of the degree of parallelization for the transfer belt unit [1].

Adjustment is not necessary when a part other than those described above (such as a roller) is replaced.

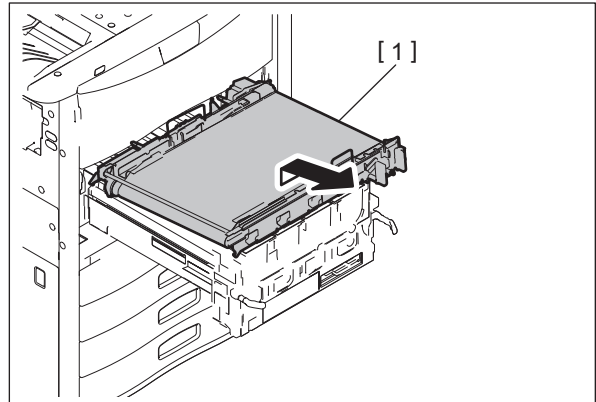


Fig. 4-423

Notes:

1. When installing, place the unit with its rear side down slantwise. Make sure that 2 sections shown in the figure are properly set.

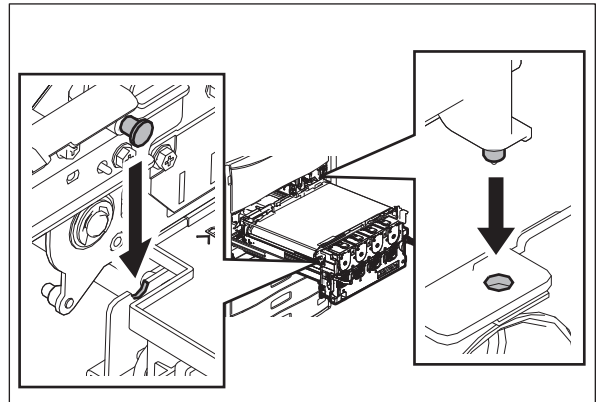


Fig. 4-424

2. The power supply spring shown in the figure supplies high-voltage bias from the equipment to each roller. If any of these springs is dirty, clean it. If it is deformed, replace it with a new one.

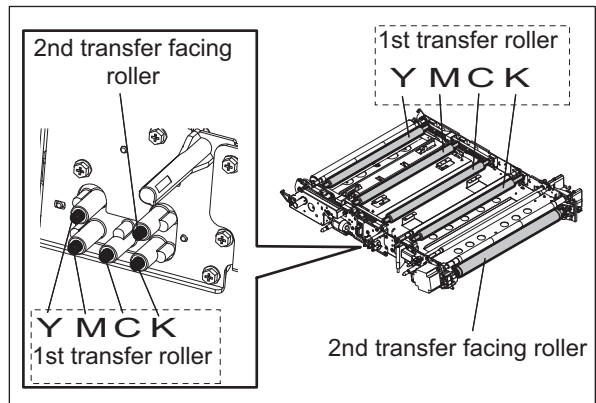


Fig. 4-425

3. After the transfer belt unit is taken out, install it securely in the equipment, and then close the duplexing unit. If you close the duplexing unit without having securely installed the transfer belt unit, this may damage the transfer belt or the 2nd transfer roller, deform the 2nd transfer front guide or cause the bearing on both ends of the 2nd transfer roller to fall off.

Check points

- Make sure that the process unit is installed securely.
- Check that the TBU locking lever is locked.

4.7.7 Transfer belt

Notes:

It is recommended to wear gloves to avoid a direct touch on the belt surface.

- (1) Take off the transfer belt unit.
📖 P. 4-144"4.7.6 Transfer belt unit (TBU)"
- (2) Pull up the belt guides [1] by approx. 20 degrees and then pull them out to take them off.

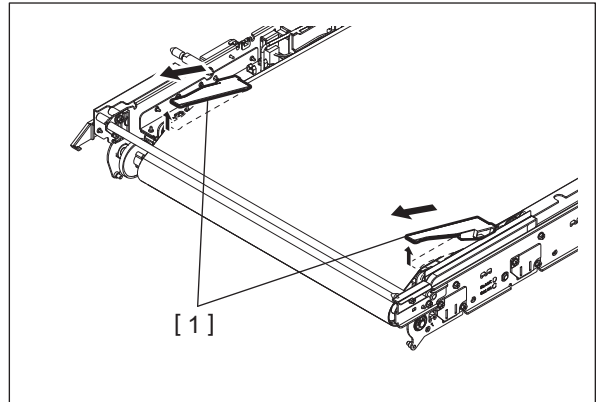


Fig. 4-426

Notes:

When installing the belt guide, tilt it by approx. 20 degrees and insert it to the shaft, and then let it go down under its own weight. When it does not go down under its weight, reinstall it because the belt might get on the rib of the guide.

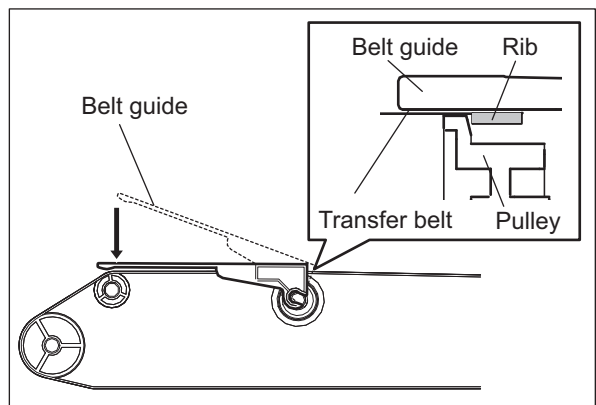


Fig. 4-427

- (3) Remove 1 screw and a stay [1].

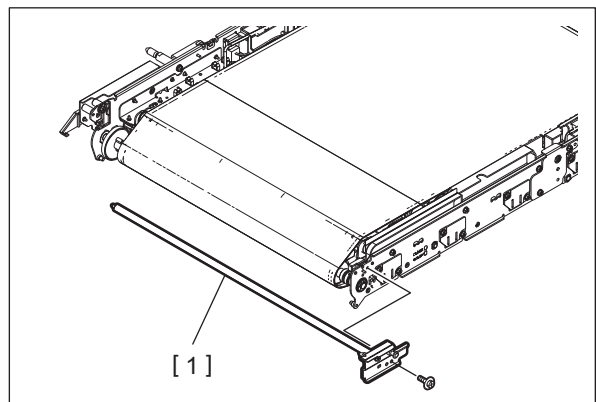


Fig. 4-428

- (4) Remove 2 screws and take off the fixing bracket [1] on the front side.
- (5) Remove 2 screws and take off the fixing bracket [1] on the rear side.

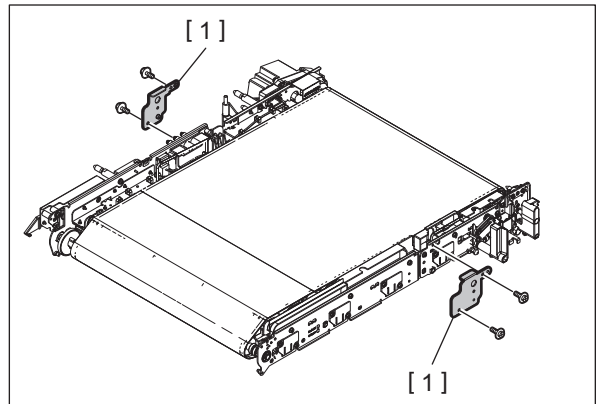


Fig. 4-429

- (6) Fold the frame with its rear side down.
- (7) Pull out the transfer belt upward to take it off.

Notes:

When replacing the transfer belt, check the cleanable facing roller, 2nd transfer facing roller and tension roller, and clean them with alcohol. If 1st transfer roller has foreign matter adhering to it, remove this before installing the transfer belt.

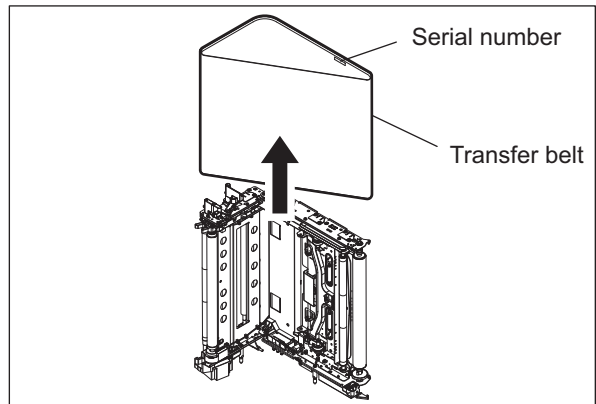


Fig. 4-430

Notes:

1. Install the transfer belt in the middle so that it will not move to one side.
2. When installing, be sure that the serial number indicated the inside of the belt is shown at the front side.
3. Do not touch the belt surface directly with bare hands.
4. Be sure not to scratch the belt surface.
5. When replacing the transfer belt, clean the cleanable facing roller, 2nd transfer facing roller, tension roller and idling roller with alcohol.
6. Attach a belt guide so that the rib of the transfer belt will not be run on the detection roller.
7. After the transfer belt is installed, rotate the cleanable facing roller in the direction of the arrow to set the value of the cutting angle indicator to 0+/-0.5 degree.

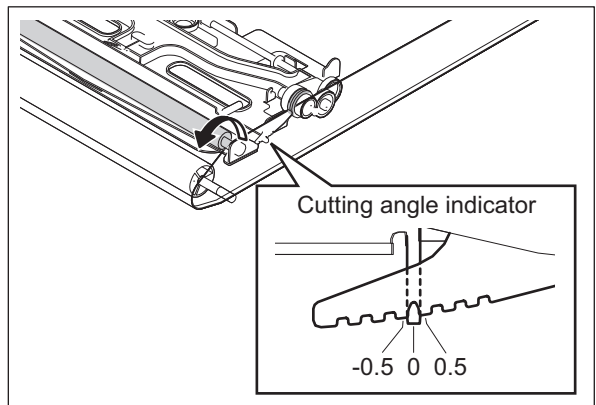


Fig. 4-431

4.7.8 Transfer belt cam motor (M14)

- (1) Take off the transfer belt unit.
P. 4-144 "4.7.6 Transfer belt unit (TBU)"
- (2) Disconnect 1 connector and remove 2 screws. Then take off the bracket [1].

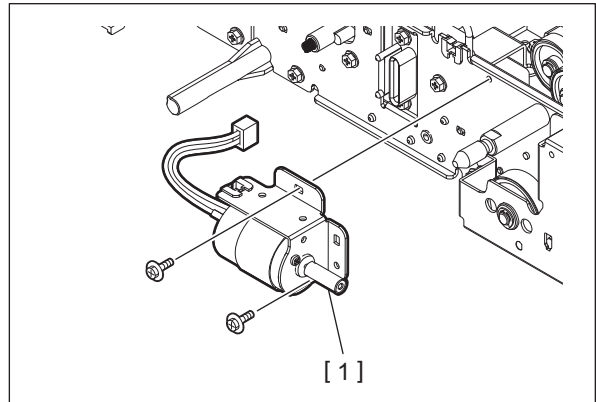


Fig. 4-432

- (3) Remove 2 screws and then take off the transfer belt cam motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

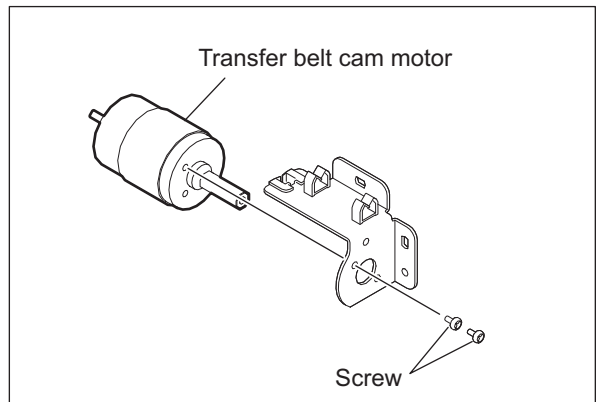


Fig. 4-433

4.7.9 Transfer belt contact/release detection sensor (S46)

- (1) Take off the transfer belt.
P. 4-146 "4.7.7 Transfer belt"
- (2) Disconnect 1 connector [1] and release 3 latches. Then take off the transfer belt contact/release detection sensor [2].

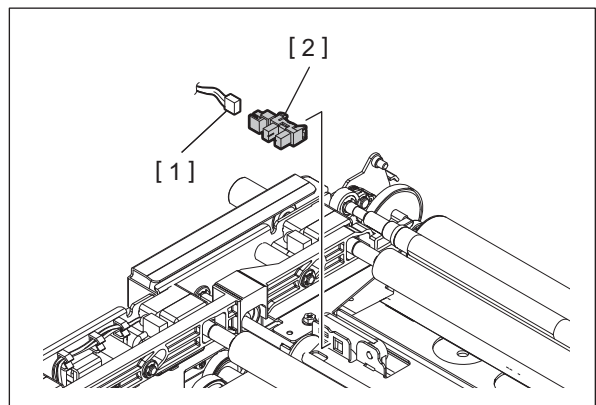


Fig. 4-434

4.7.10 1st transfer roller (Y/M/C/K)

- (1) Take off the transfer belt.
📖 P. 4-146"4.7.7 Transfer belt"
- (2) Remove 2 screws each and take off a holder.

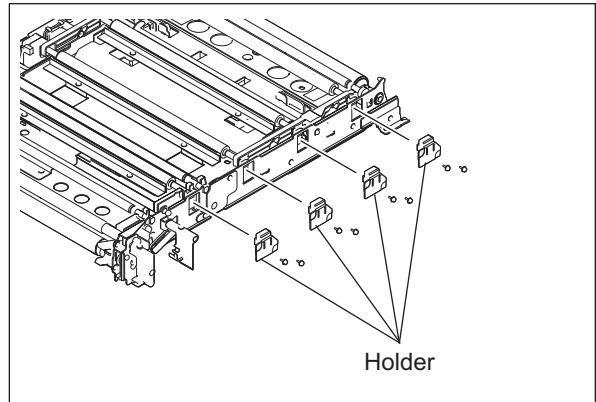


Fig. 4-435

- (3) Take off the 1st transfer roller [1] (Y/M/C/K).

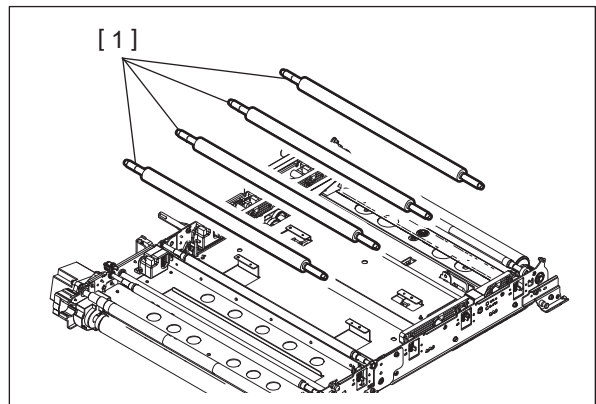


Fig. 4-436

4.7.11 Cleanable facing roller

- (1) Take off the transfer belt.
📖 P. 4-146"4.7.7 Transfer belt"
- (2) Remove 3 screws, 1 E-ring, and the 2nd transfer motor holder [1].

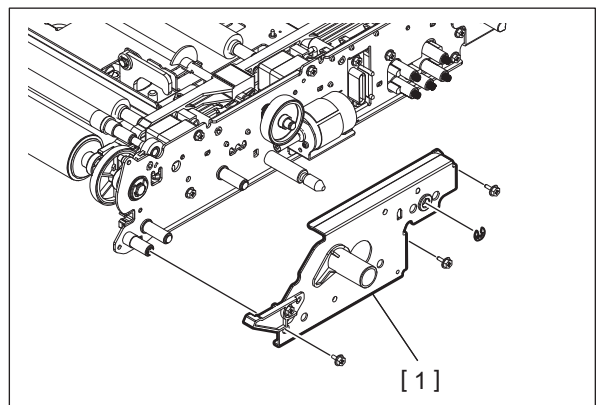


Fig. 4-437

(3) Take off 1 E-ring and 1 bearing [1].

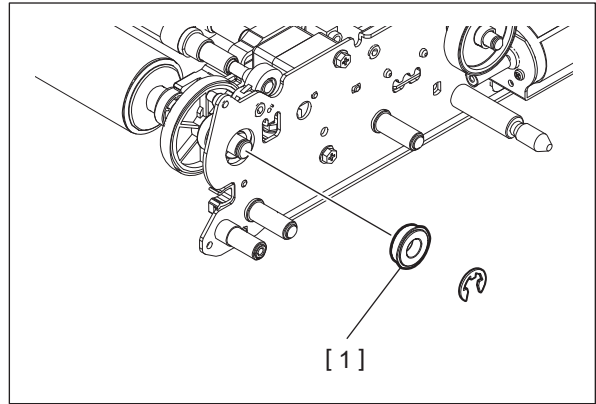


Fig. 4-438

(4) Remove 1 E-ring and 1 bearing.

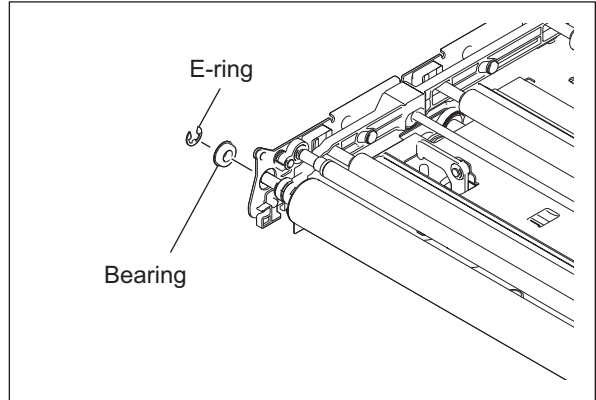


Fig. 4-439

(5) Take off the cleanable facing roller assembly [1].

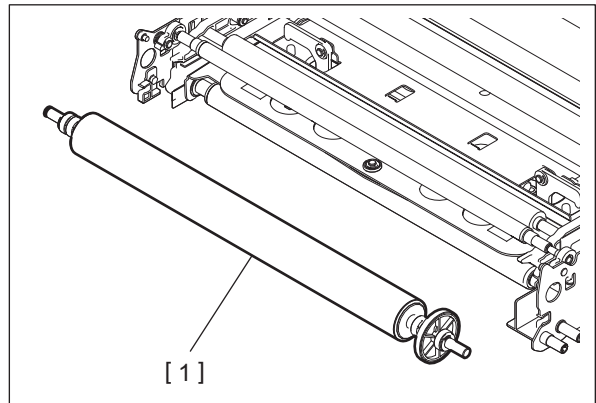


Fig. 4-440

(6) Remove 2 E-rings, 1 gear [3], 1 pin [4] and 4 bearings [2] from the cleanable facing roller [1].

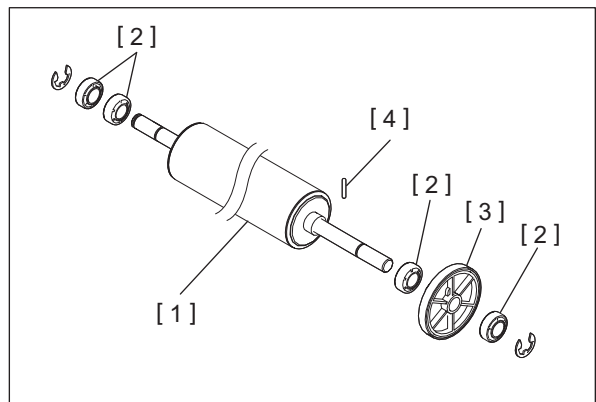


Fig. 4-441

4.7.12 Tension roller

- (1) Take off the transfer belt.
P. 4-146"4.7.7 Transfer belt"
- (2) Remove 2 collars [1].

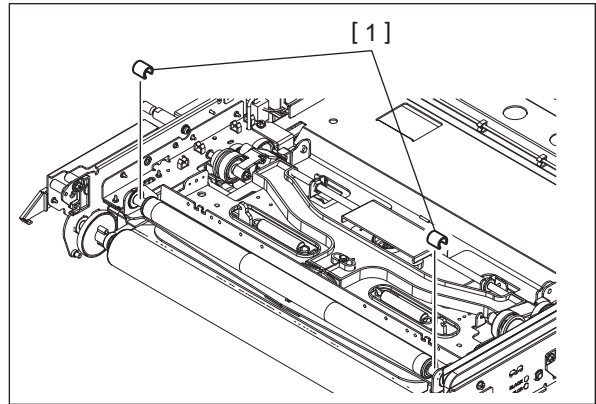


Fig. 4-442

- (3) Move the bearing [1] to the inner side and then take off the tension roller [2].

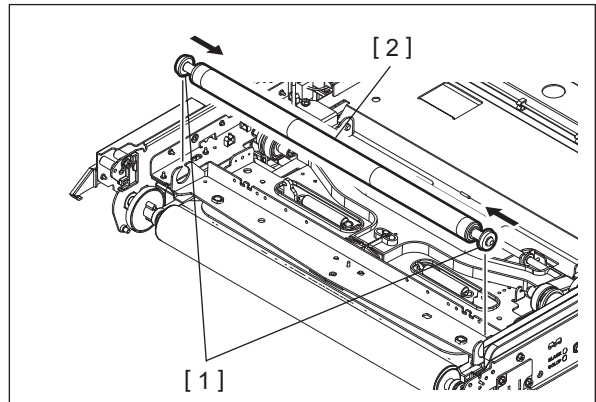


Fig. 4-443

4.7.13 2nd transfer facing roller

- (1) Take off the transfer belt.
P. 4-146"4.7.7 Transfer belt"
- (2) Remove 2 screws and take off the lever assembly.

Notes:

When the transfer belt unit or the lever assembly is replaced, be sure to perform the adjustment of the degree of parallelization for the transfer belt unit.

Do not remove the 2 red screws unless the adjustment is necessary.

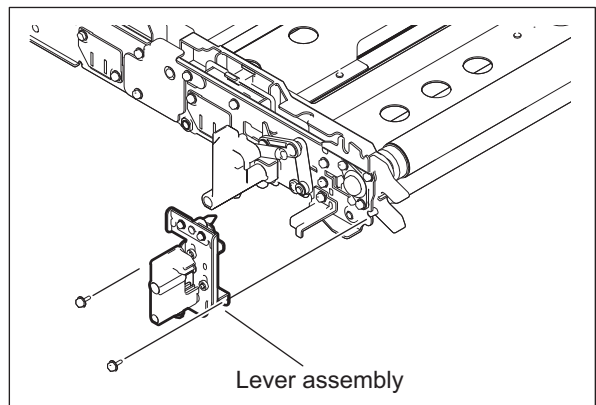


Fig. 4-444

- (3) Remove 1 screw and take off the cover [1].

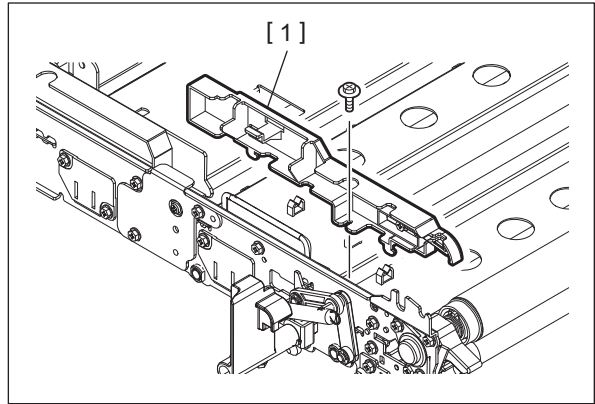


Fig. 4-445

- (4) Remove 3 screws and take off the holder.

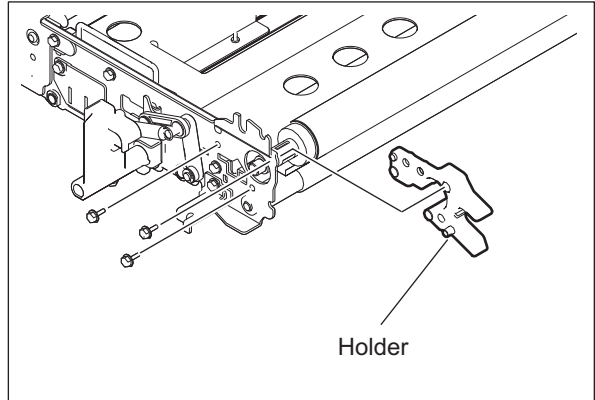


Fig. 4-446

- (5) Remove 2 screws and take off the holder and bearing.

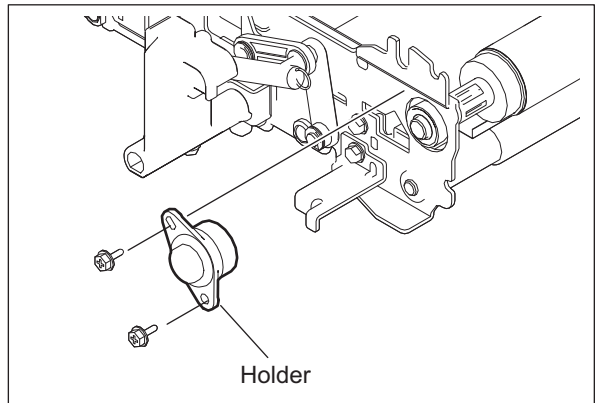


Fig. 4-447

- (6) Remove 1 screw, and take off the gear cover [1].

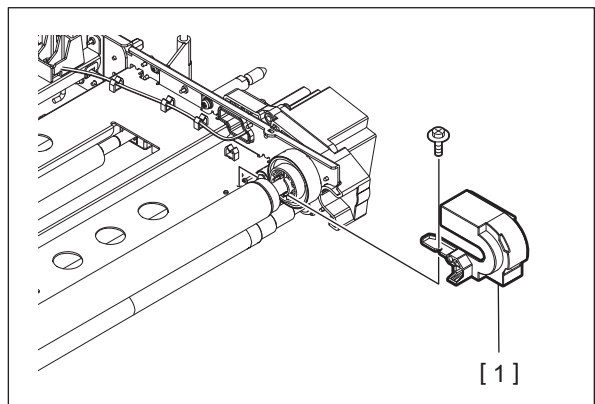


Fig. 4-448

(7) Take off the 2nd transfer facing roller [1].

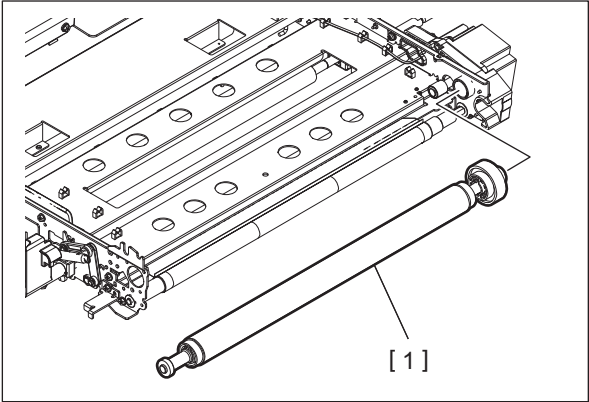


Fig. 4-449

4.7.14 2nd transfer unit (TRU)

- (1) Remove 1 screw and take off the 2nd transfer roller front guide [1].

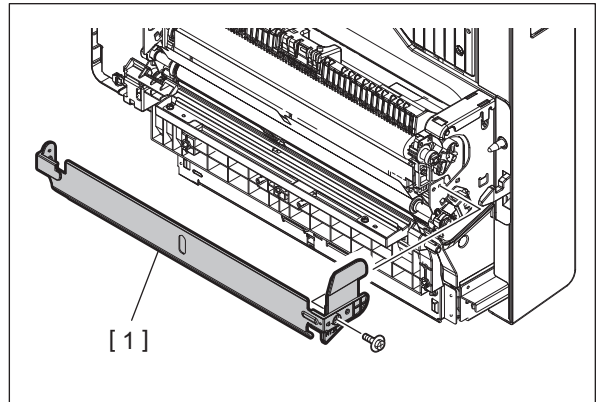


Fig. 4-450

- (2) Release the hook and take off a harness cover [1].

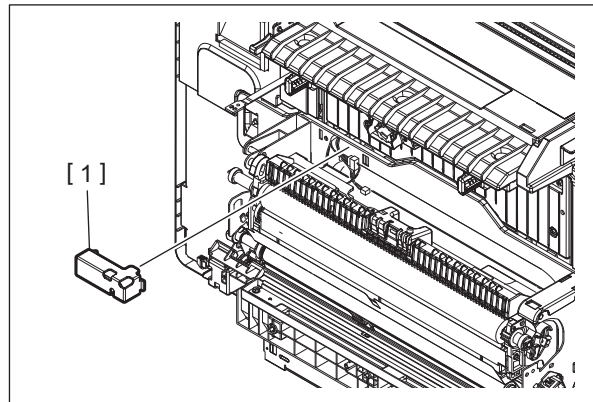


Fig. 4-451

- (3) Disconnect 1 connector.

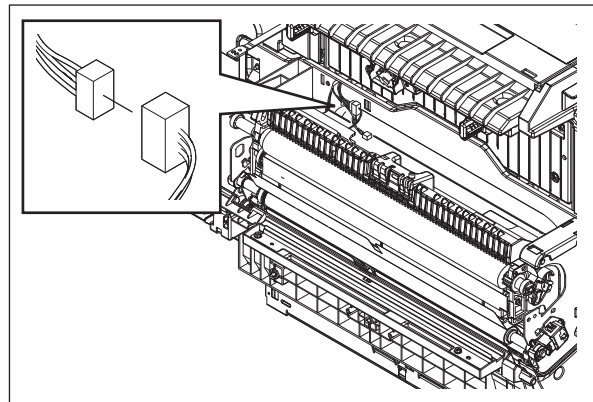


Fig. 4-452

- (4) Remove 1 clip and 1 bushing.

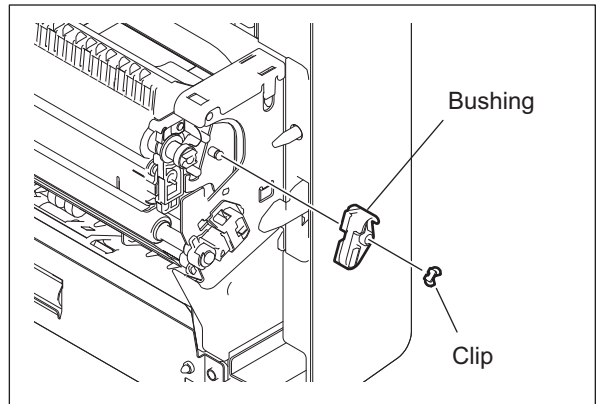


Fig. 4-453

- (5) Take off the 2nd transfer unit [1] not to hit the unit to the registration roller or other parts.

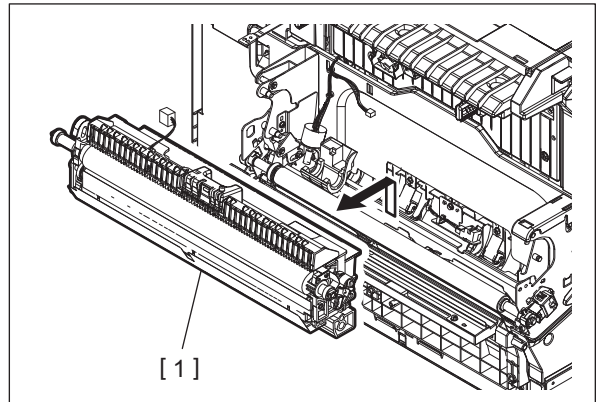


Fig. 4-454

Notes:

When installing, make sure that 2 pins [1] on the rear side are inserted to the rectangular holes of the 2nd transfer unit.

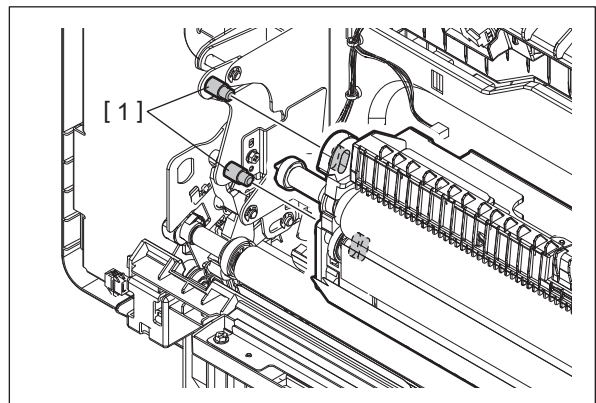



Fig. 4-455

4.7.15 2nd transfer roller

- (1) Take off the 2nd transfer unit.
 P. 4-154 "4.7.14 2nd transfer unit (TRU)"
- (2) Remove the clip [1] on the front side and then 1 bearing [2] and 1 bushing [3].
- (3) Remove the clip [4] on the rear side and then 1 bearing [5] and 1 bushing [6].

Notes:

Since the bearing [7] is press-fitted in the bushing [3] [6], be sure to remove it straight so that it does not fall off.

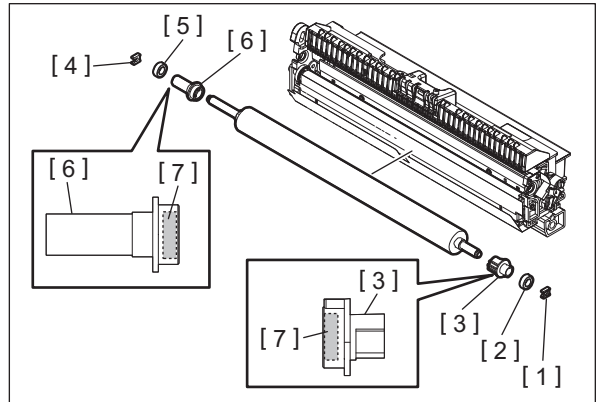


Fig. 4-456

Notes:

2nd transfer roller differs by product.
This model does not have a D-cut on the shaft edge.

- [1] No D-cut on shaft
Usage models: e-STUDIO5540C/6540C/
6550C, e-STUDIO5560C/6560C/6570C
- [2] With D-cut on shaft
Usage models: e-STUDIO5520C/6520C/
6530C

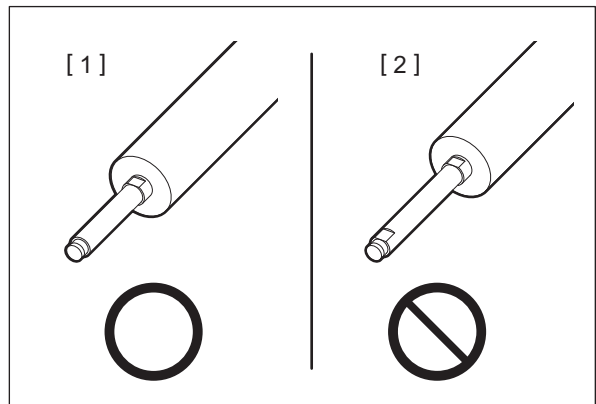



Fig. 4-457

4.7.16 2nd transfer roller lubricant unit

- (1) Take off the 2nd transfer roller.
 P. 4-156 "4.7.15 2nd transfer roller"
- (2) Remove 1 screw on the rear side and then take off a bushing.

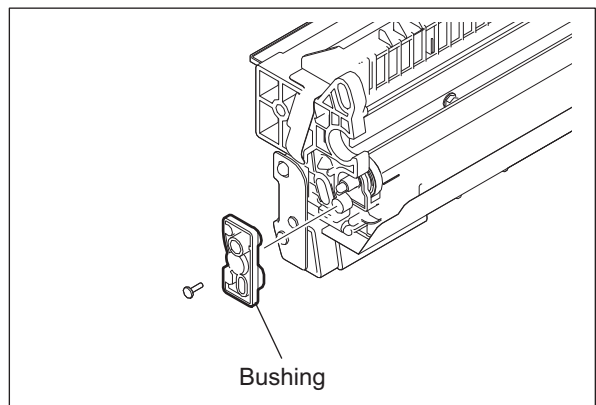


Fig. 4-458

- (3) Take off the 2nd transfer roller lubricant unit.

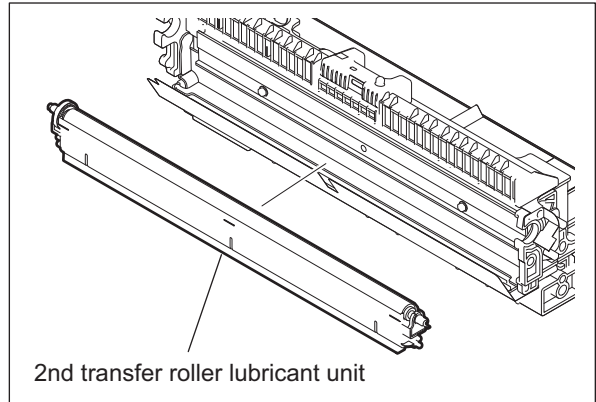



Fig. 4-459

4.7.17 2nd transfer roller cleaning blade

- (1) Take off the 2nd transfer roller lubricant unit.
 P. 4-156"4.7.16 2nd transfer roller lubricant unit"
- (2) Remove 2 screws and then take off the 2nd transfer roller cleaning blade.

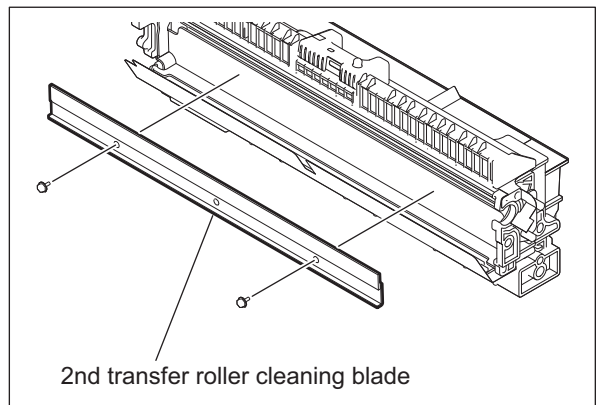



Fig. 4-460

4.7.18 2nd transfer roller side seal

- (1) Take off the 2nd transfer roller cleaning blade.
 P. 4-157"4.7.17 2nd transfer roller cleaning blade"
- (2) Turn up a recovery sheet and then remove 2nd transfer roller side seal.

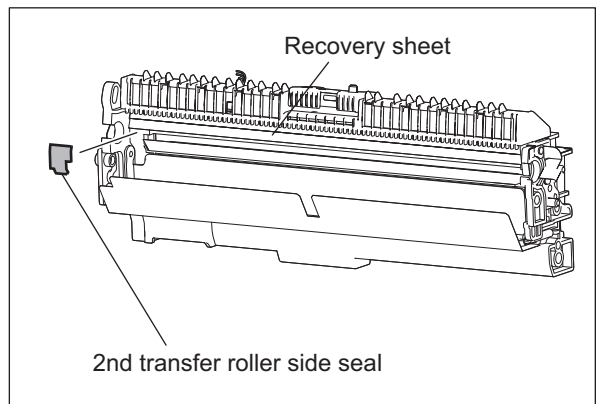


Fig. 4-461

Notes:

When replacing the 2nd transfer roller side seal, follow the procedure below.

1. Confirm that the gap between the 2nd transfer roller cleaning blade and the side seal on the front side falls within 0 mm to 0.5 mm.

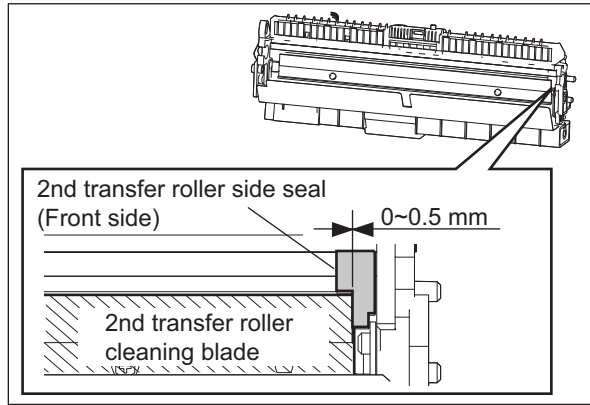


Fig. 4-462

2. Install the 2nd transfer roller side seal following the standard shown in the figure.

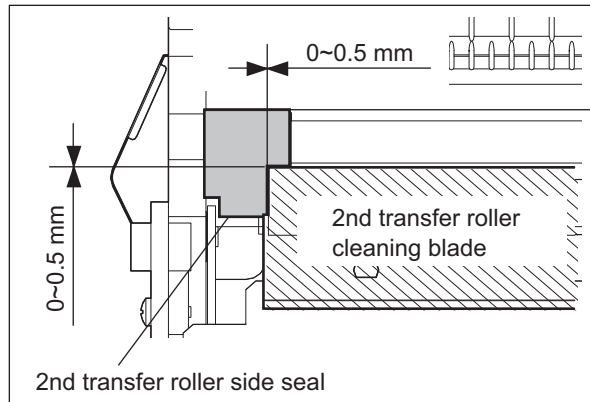


Fig. 4-463

3. After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

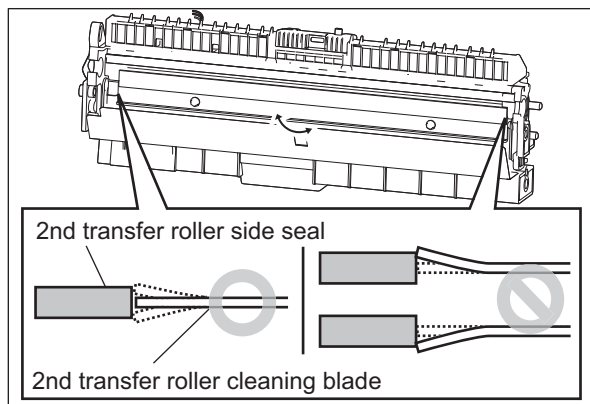



Fig. 4-464

4.7.19 TRU waste toner box

The replacement of TRU waste toner box is per 2PM. Ensure replacement is per 2PM.

- (1) Take off the duplexing unit rear cover.
 P. 4-5"4.1.14 Duplexing unit rear cover"
- (2) Take out the TRU waste toner box.

Notes:

When replacing the TRU waste toner box, if the waste toner amount detection sensor is dirty, clean it.

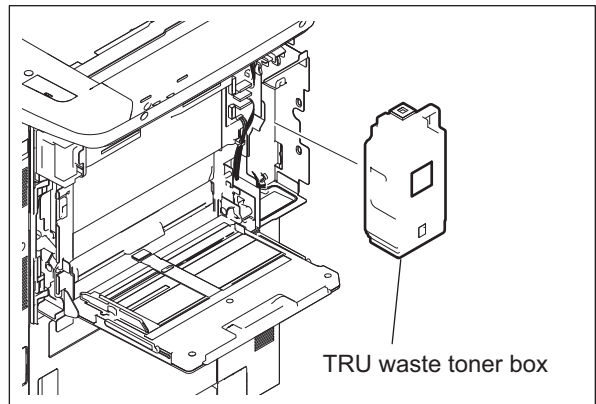


Fig. 4-465

- (3) Seal the opening of the TRU waste toner box.

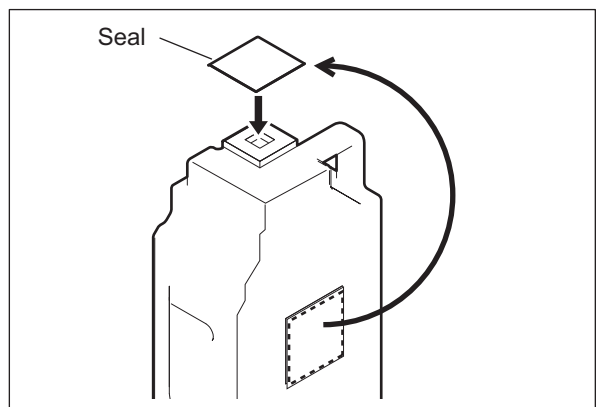



Fig. 4-466

4.7.20 TRU waste toner amount detection sensor (S17)

- (1) Take off the TRU waste toner box.
 P. 4-159"4.7.19 TRU waste toner box"
- (2) Disconnect 1 connector and release 3 latches. Then take off the TRU waste toner amount detection sensor.

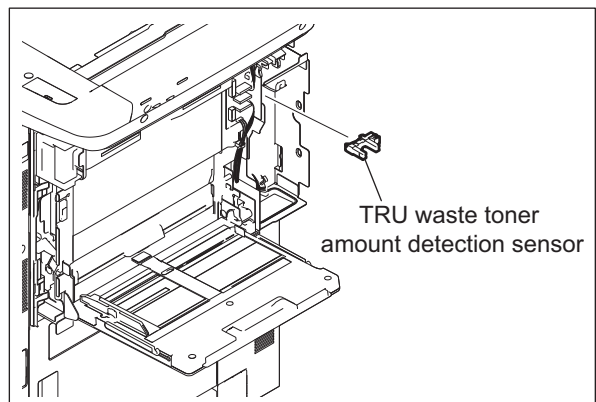


Fig. 4-467

4.7.21 TRU waste toner auger drive section

- (1) Take off the TRU waste toner box.
P. 4-159 "4.7.19 TRU waste toner box"
- (2) Remove 1 screw and take off a cover [1].

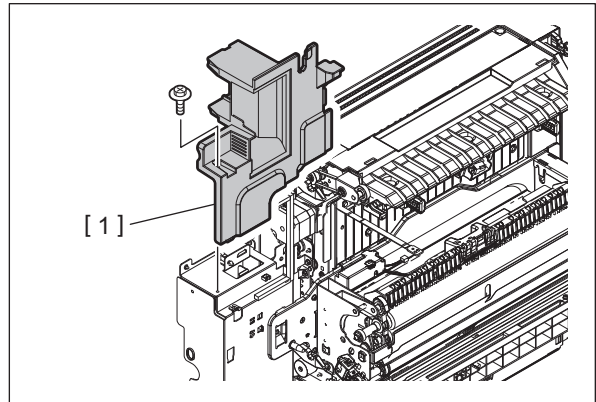


Fig. 4-468

- (3) Remove 1 harness clamp and 5 screws.

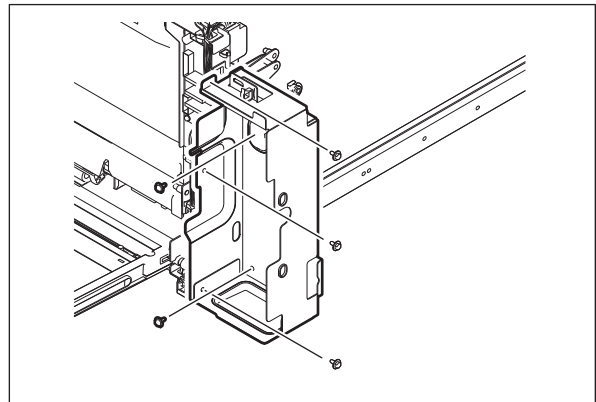


Fig. 4-469

- (4) Level the waste toner case and take it off to the rear side.

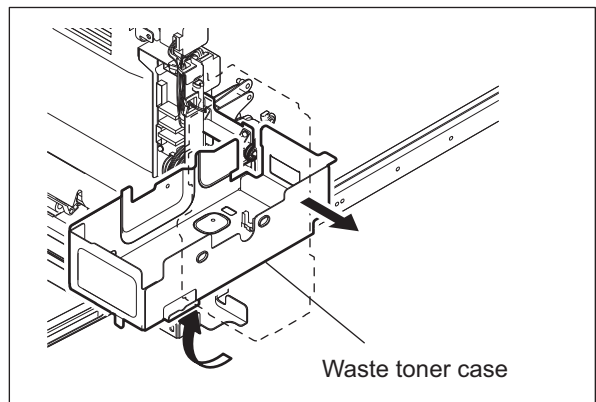


Fig. 4-470

- (5) Remove 1 clip to remove the waste toner receiving inlet.

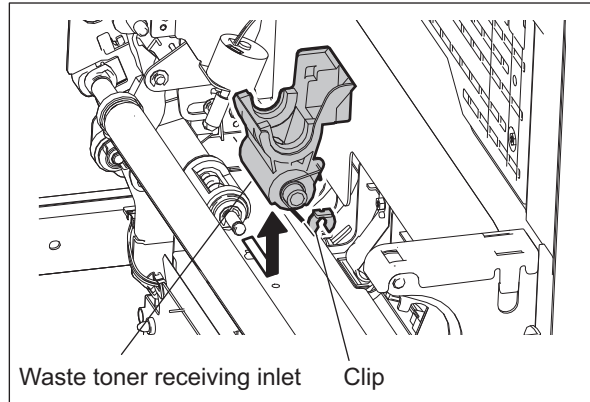


Fig. 4-471

- (6) Disconnect 1 connector and remove 2 screws. Then take off the TRU waste toner auger drive section [1].

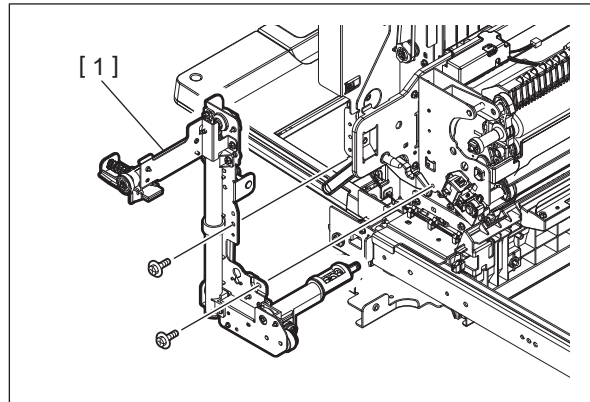


Fig. 4-472

4.7.22 TRU waste toner transport motor (M11)

- (1) Take off the TRU waste toner auger drive section.
 P. 4-160 "4.7.21 TRU waste toner auger drive section"
- (2) Remove 2 screws and then take off the TRU waste toner transport motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

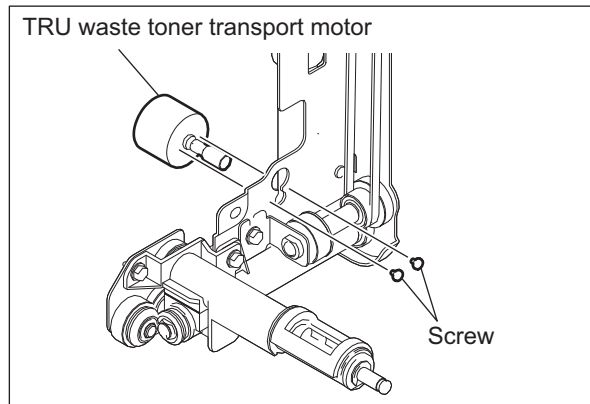



Fig. 4-473

4.7.23 TRU waste toner motor (M10)

- (1) Take off the 2nd transfer unit.
 P. 4-154"4.7.14 2nd transfer unit (TRU)"
- (2) Disconnect 1 connector [1] and remove 1 screw. Then take off the bracket [2].

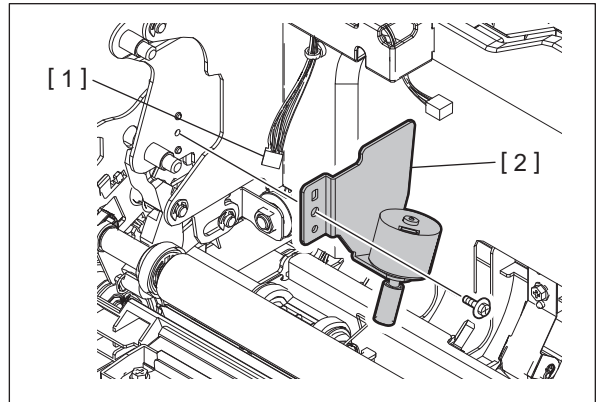


Fig. 4-474

- (3) Remove 2 screws and then take off the TRU waste toner motor.

Notes:

Pay attention to the size (length) of the screws. If incorrect ones are used, the motor could be damaged.

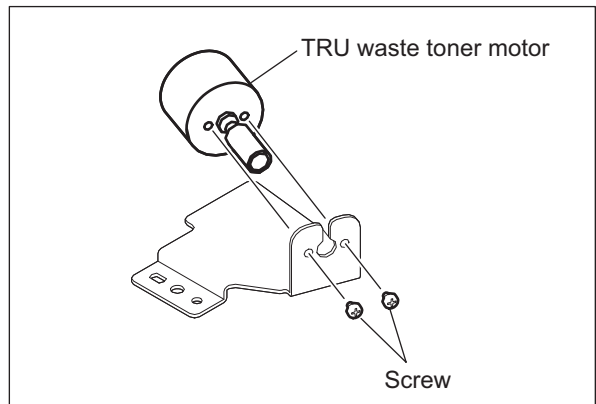



Fig. 4-475

4.7.24 Transfer belt motor (M13)

- (1) Take off the transfer belt unit.
 P. 4-144"4.7.6 Transfer belt unit (TBU)"
- (2) Remove 1 screw, and take off the harness cover [1].

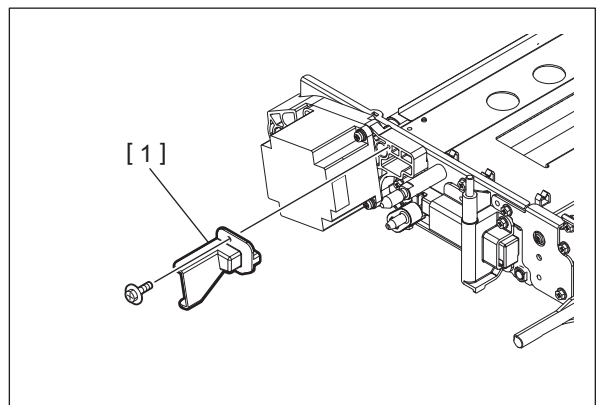


Fig. 4-476

- (3) Remove 1 connector [1] and 3 screws, and take off the transfer belt motor (M13) [2].

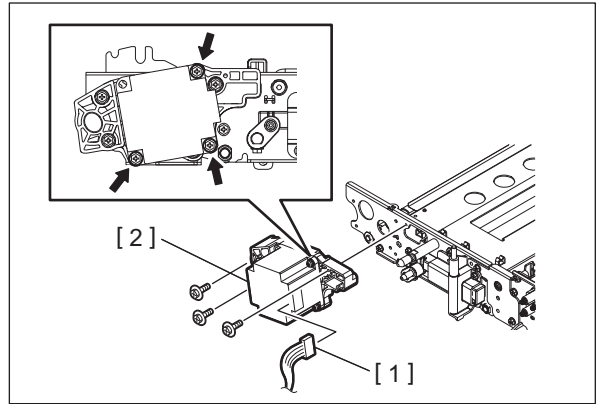


Fig. 4-477

4.7.25 2nd transfer roller contact/release detection sensor (S50)

- (1) Take off the middle guide.
 P. 4-78 "4.5.48 Transfer belt paper clinging detection sensor (S47)"
- (2) Remove 2 screws, and once the cam shaft is moved toward the front, lift up a little and take it off.

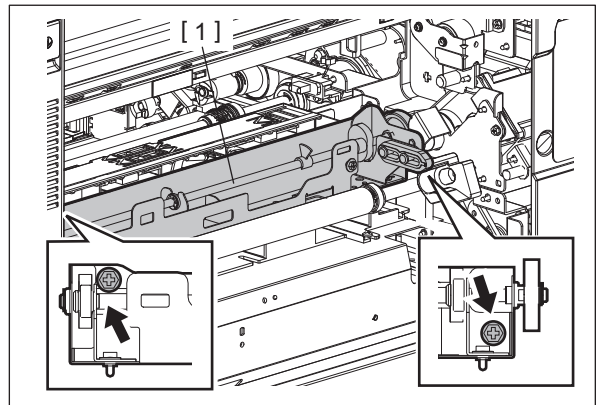


Fig. 4-478

- (3) Disconnect 1 connector [1] and release 3 harness clamps [2]. Then take off the cam unit.

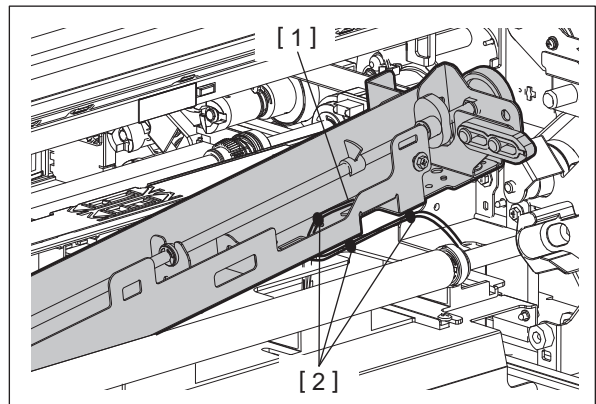


Fig. 4-479

- (4) Release 3 latches. Then take off the 2nd transfer roller contact/release detection sensor.

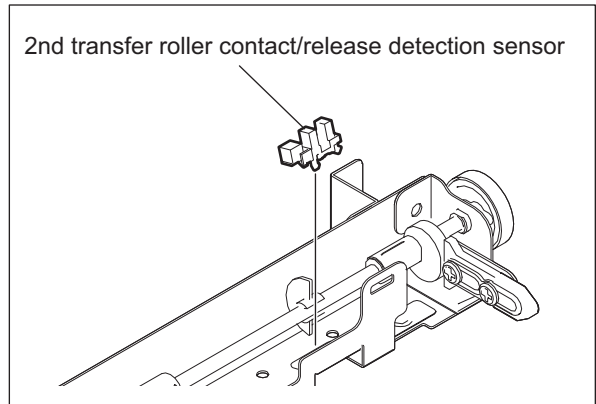


Fig. 4-480

4.7.26 2nd transfer cam motor (M48)

- (1) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (2) Remove 1 connector [1] and 2 screws, and take off 2nd transfer cam motor [2].

Notes:

Do not remove the 2 red screws fixing the dumper

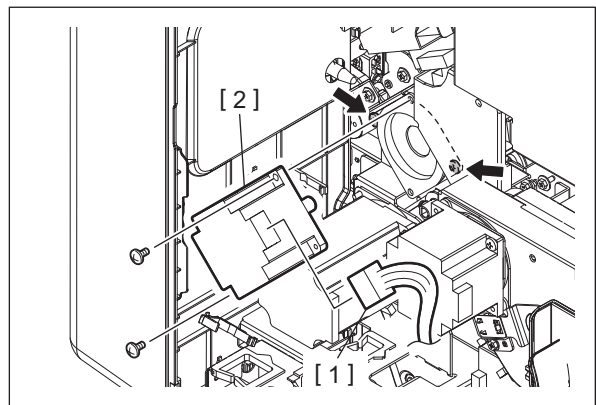


Fig. 4-481

4.7.27 2nd transfer cam drive unit

- (1) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (2) Remove 1 connector [1] and 2 screws, and take off 2nd transfer cam drive unit [2].

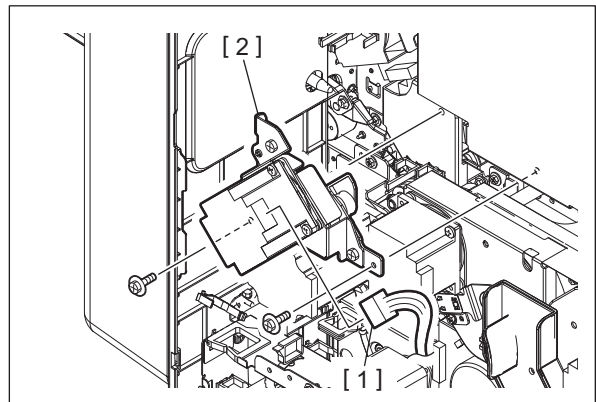


Fig. 4-482

4.8 Image Quality Control

4.8.1 Image quality control unit

- (1) Take off the transfer cam unit.
☞ P. 4-163"4.7.25 2nd transfer roller contact/release detection sensor (S50)"
- (2) Remove 2 shoulder screws and then take off the image quality control unit.

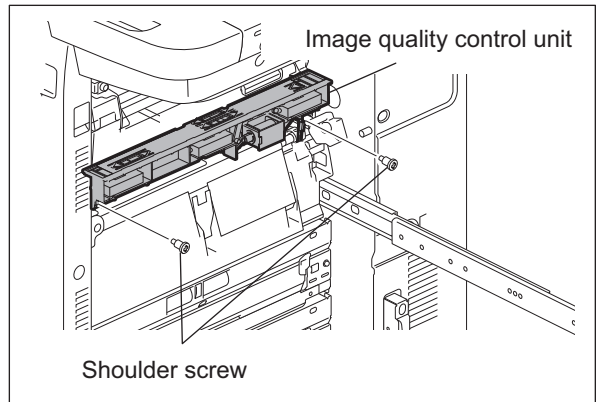


Fig. 4-483

4.8.2 Image position aligning sensor (front) (S20)

- (1) Take off the image quality control unit
☞ P. 4-165"4.8.1 Image quality control unit"
- (2) Remove 2 screws and take off the image position aligning sensor (front).

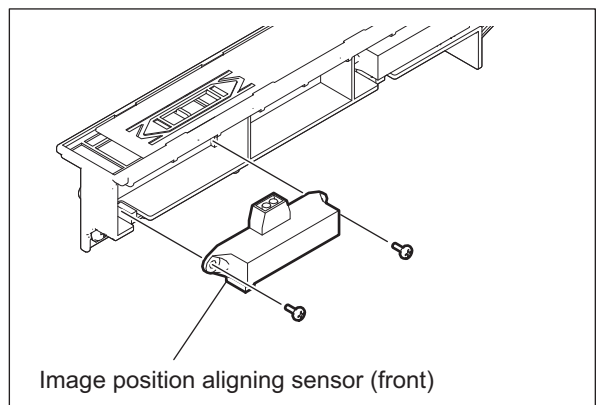


Fig. 4-484

4.8.3 Image position aligning sensor (center) (S21)

- (1) Take off the image quality control unit
☞ P. 4-165"4.8.1 Image quality control unit"
- (2) Remove 2 screws and take off the image position aligning sensor (center).

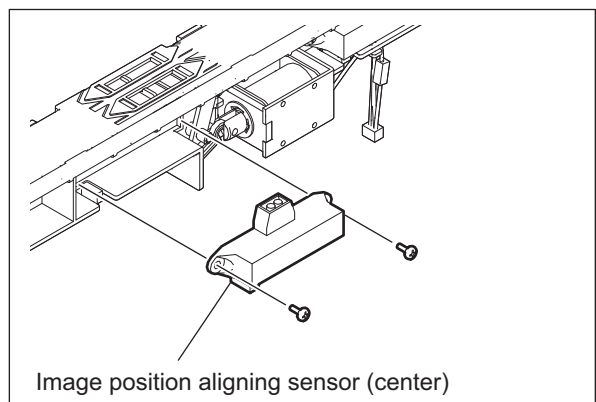


Fig. 4-485

4.8.4 Image position aligning sensor (rear) (S22)

- (1) Take off the image quality control unit
📖 P. 4-165"4.8.1 Image quality control unit"
- (2) Remove 2 screws and take off the image position aligning sensor (rear).

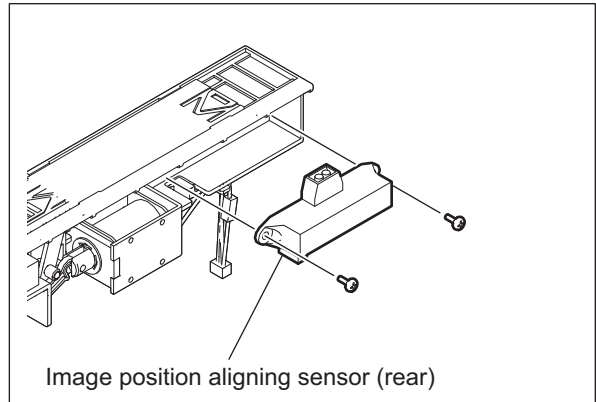


Fig. 4-486

4.8.5 Image quality sensor (S23)

- (1) Take off the image quality control unit
📖 P. 4-165"4.8.1 Image quality control unit"
- (2) Turn up a film [1] and then remove 2 screws.

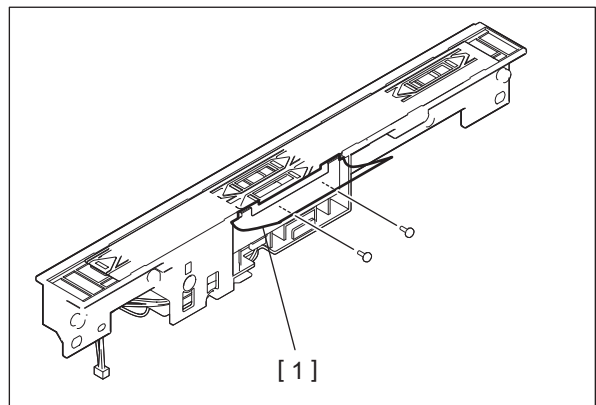


Fig. 4-487

- (3) Disconnect 1 connector, and take off the image quality sensor

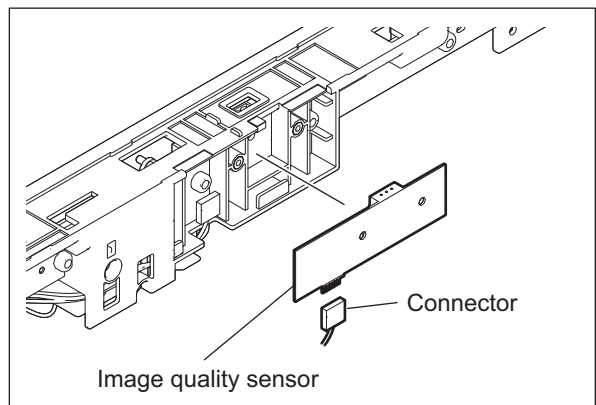


Fig. 4-488

4.8.6 Image quality shutter solenoid (SOL3)

- (1) Take off the image quality control unit
P. 4-165"4.8.1 Image quality control unit"
- (2) Remove 2 screws and take off the Image quality shutter solenoid.

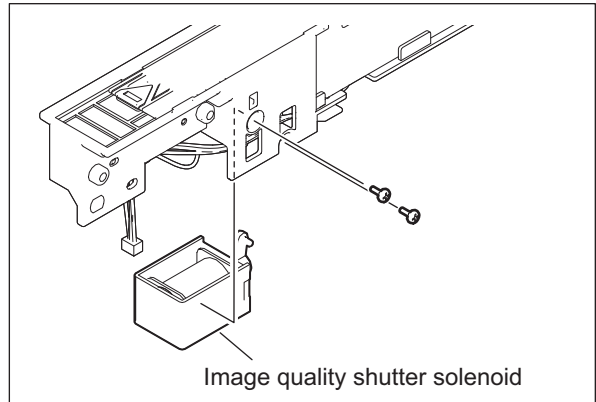


Fig. 4-489

- (3) Take off the link arm of the solenoid.

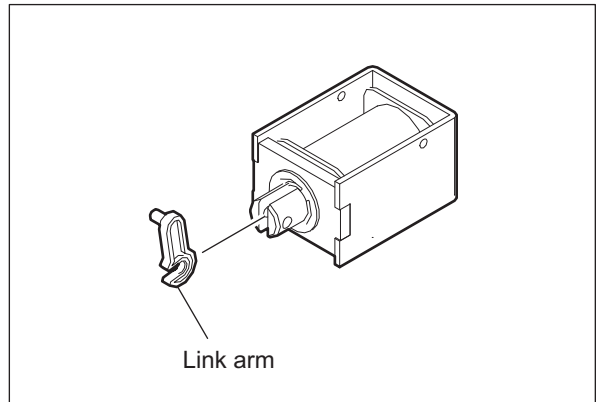


Fig. 4-490

4.9 Fuser Unit

Notes:

- Before taking off the fuser unit, be sure that the temperature of the fuser unit is fully lowered. If you need to take it off while its temperature is still high, be sure to wear gloves.
 - When a new fuser unit is installed, be sure that the fuser-related life counter values are reset in the list print mode (9S), PM support mode (6S) or setting mode (08).
 - Be sure to follow the note in the disassembly procedure since the fuser belt and fuser roller are easily damaged.
 - When disassembling the fuser unit or replacing any parts in it, be sure that the wire harness is correctly set, and also be careful not to catch it between other parts.
- a. Hang the AC harnesses [1] on the hooks [2].
 - b. Cross [4] the AC harnesses [3].
 - c. Set the 2 AC harnesses [5] in parallel. Be sure that the harness guide [6] is not pressing the AC harnesses.
 - d. Be sure to pass the harnesses for the pressure roller heater lamp through the clamps.

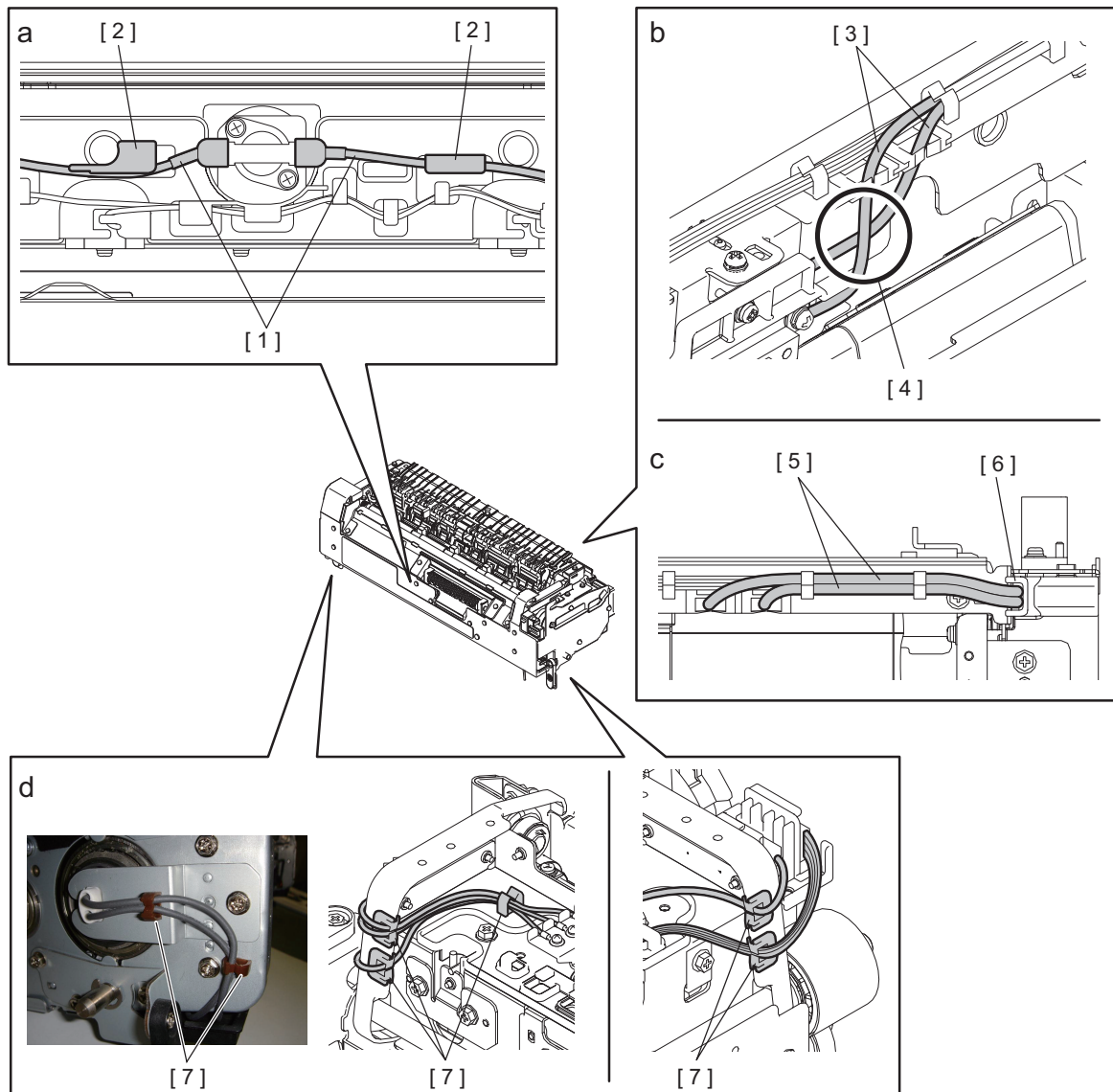


Fig. 4-491

- e. Set the AC harness on the upper side and the DC harness on the lower side. Hang each of them on 2 hooks correspondingly.
- f. Be sure that the AC harness is not set on the plate. Set the connectors on the latch.
- g. Pull the AC harness in the direction of the arrows.

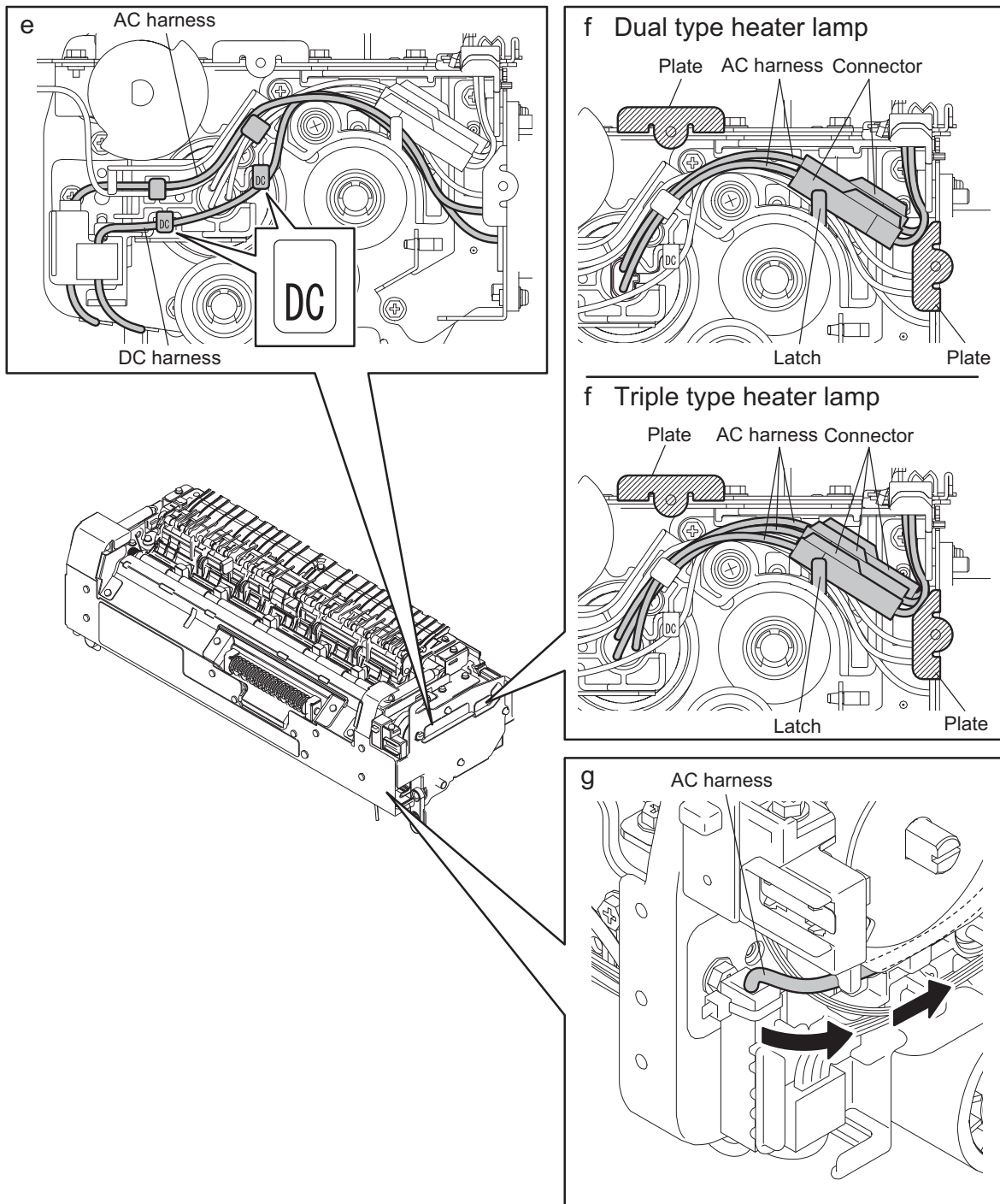
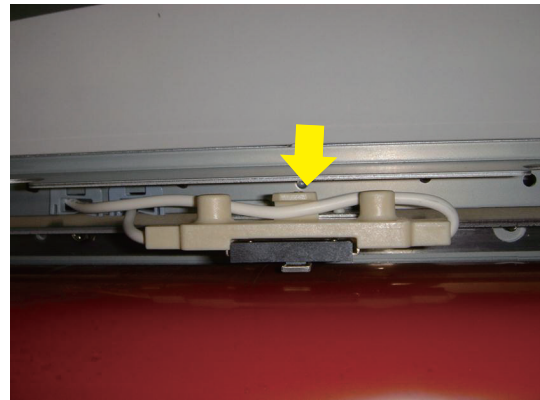
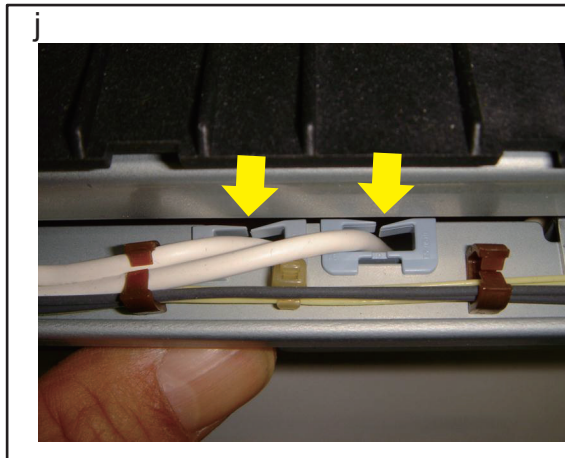
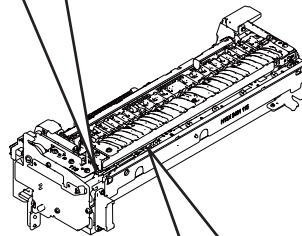
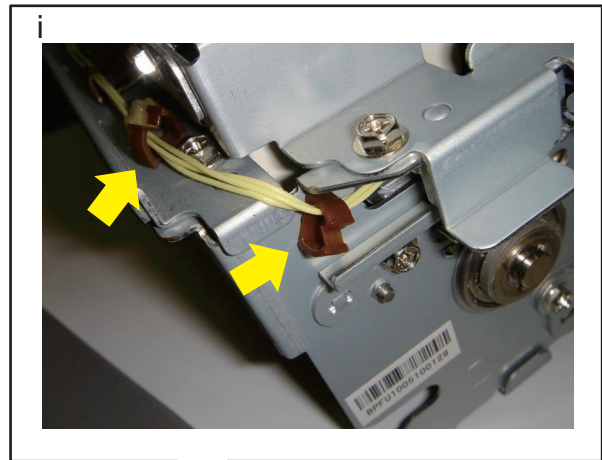
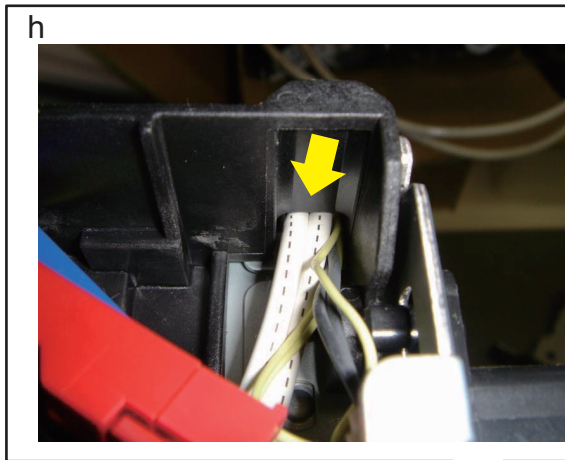


Fig. 4-492

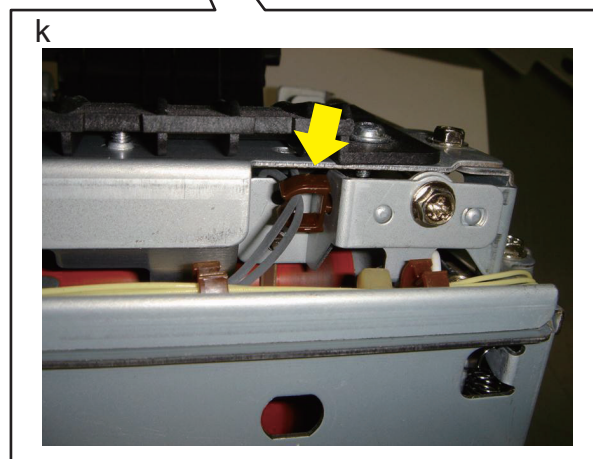
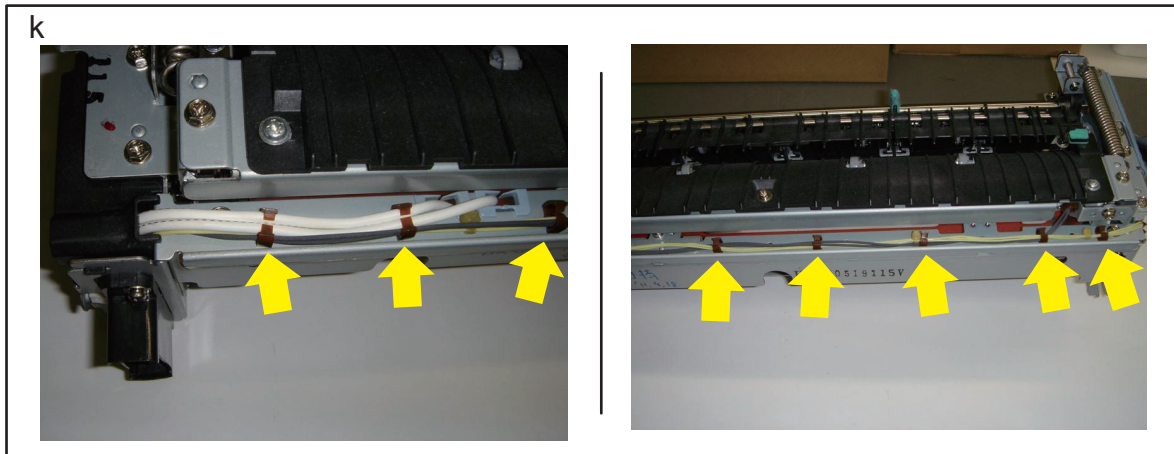
h. Be careful not to catch the harnesses for the fuser belt thermostat, rotating detection sensor and the edge thermistor in the cover.

i. Be sure to pass the harnesses for the fuser belt rotating detection sensor through the brown clamps.

j. Be sure to pass the harnesses for the fuser belt thermostat through 2 clamps and pull the harnesses out to the outer side of the frame. In addition, wire the harness at the holder section as shown below.



k. Be sure to pass the harnesses for the fuser belt thermostat, rotating detection sensor and the edge thermistor through the clamps.



4.9.1 Fuser unit

Notes:

Fuser unit [1] has a receiving dish that prevents gear abrasion powder from dropping into the machine. Take off fuser [1] without substantial shaking or tilting.

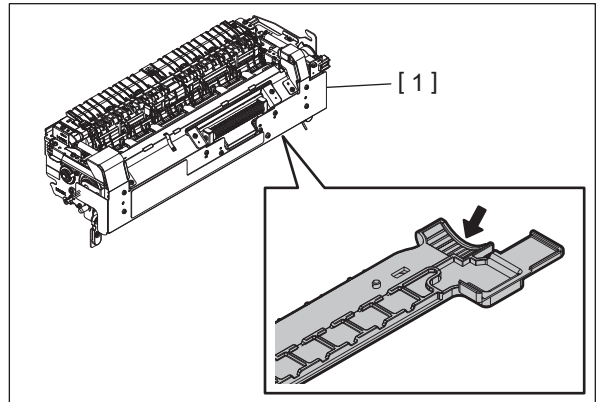


Fig. 4-493

- (1) Open the duplexing unit.
- (2) Remove 1 screw and release the lock of the handle grips.

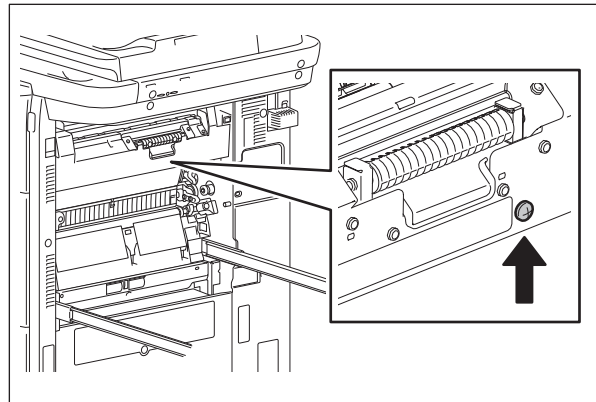


Fig. 4-494

- (3) Loosen 2 screws and then take off the fuser unit by holding its handle grips.

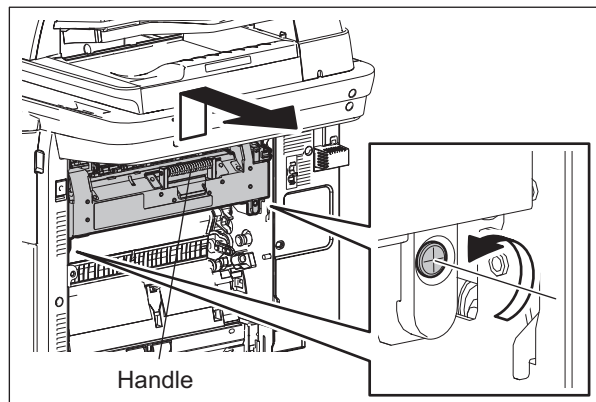


Fig. 4-495

Notes:

Follow the procedure below for the installation.

1. Insert the fuser unit into the equipment by setting the plates on both sides of the unit onto the guide of the equipment.
2. Fix the fuser unit with 2 screws by pushing it to the equipment. Tighten the screws securely until they no longer turn.
3. Fix the handle grips with 1 screw.
4. Turn the handle grips to engage the gear of the equipment with that of the fuser unit.

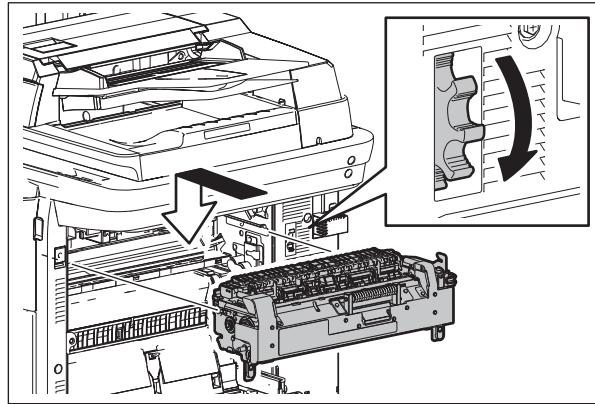



Fig. 4-496

4.9.2 Pressure roller cover

- (1) Take off the fuser unit.
 P. 4-172"4.9.1 Fuser unit"
- (2) Remove 4 screws and then take off the pressure roller cover [1].

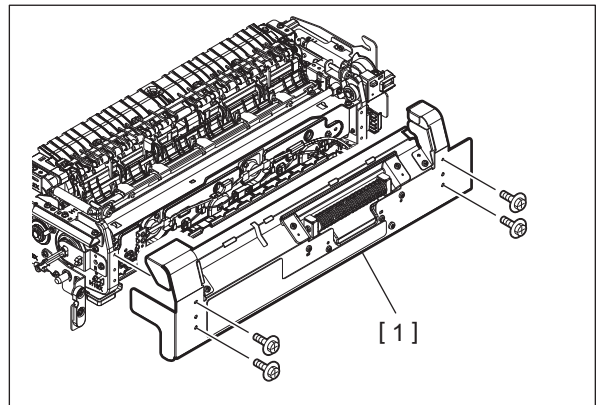


Fig. 4-497

Notes:

When installing, pay attention to the following points.

- Be sure that the harnesses do not come out from the entrance guide cover.
- Be sure that the pressure roller cover is positioned under the entrance guide cover.

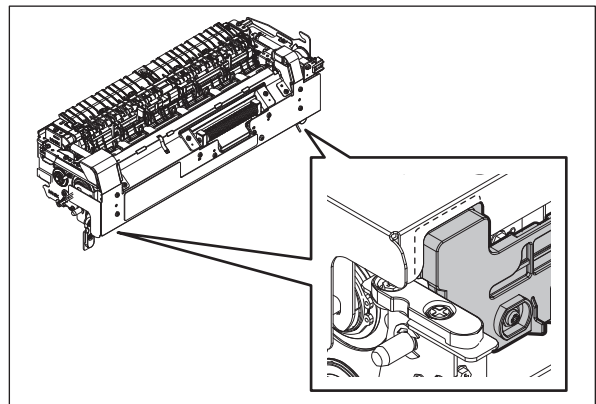


Fig. 4-498

4.9.3 Transport guide-1

- (1) Take off the fuser unit.
📖 P. 4-172"4.9.1 Fuser unit"
- (2) Take off the pressure roller cover.
📖 P. 4-173"4.9.2 Pressure roller cover"
- (3) Remove 2 screws and then take off the transport guide-1 [1].

Notes:

When installing, fully tighten the 2 pressure screws until they are no longer turned.

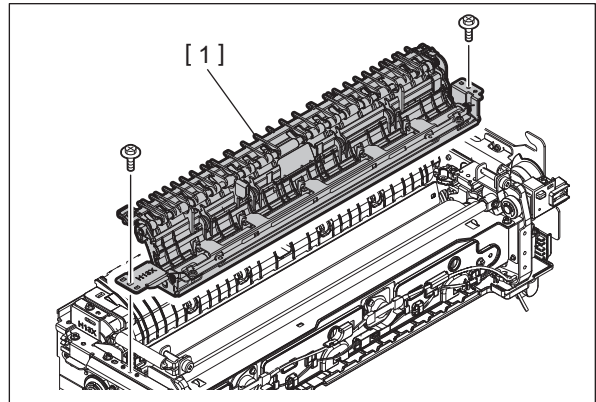


Fig. 4-499

Notes:

Place transport guide 1 as shown in the figure so that its separation finger [1] does not become damaged.

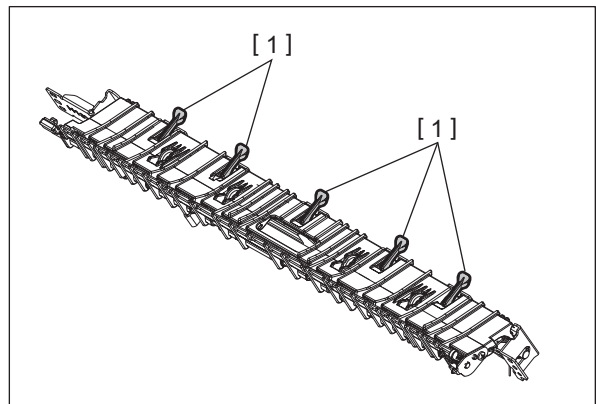


Fig. 4-500

4.9.4 Transport guide-2

- (1) Take off transport guide-1.
📖 P. 4-172"4.9.1 Fuser unit"
- (2) Remove 2 screws and take off transport guide-2 [1].

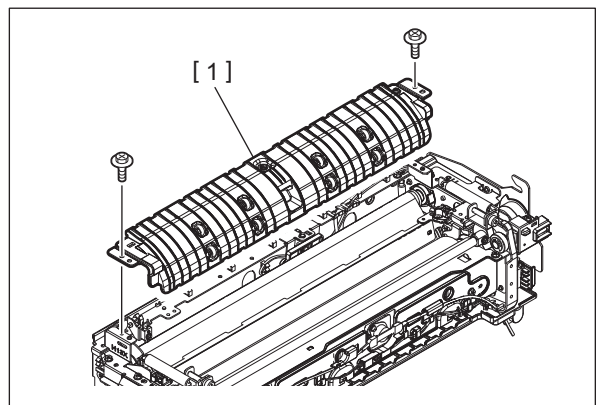


Fig. 4-501

4.9.5 Entrance guide cover

- (1) Take off the fuser unit.
P. 4-172"4.9.1 Fuser unit"
- (2) Take off the pressure roller cover.
P. 4-173"4.9.2 Pressure roller cover"
- (3) Remove 2 screws and take off the entrance guide cover [1].

Notes:

In order to prevent abrasion powder from dirtying the bed surface, operate after laying a sheet on the bed surface. In addition, clean the dirt off receiving dish [2].

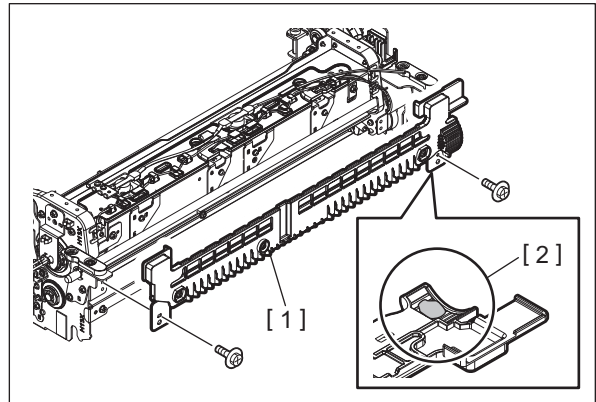


Fig. 4-502

Notes:

Fix the screw in the position as shown in the figure unless paper jams occur at the entrance of the fuser unit.

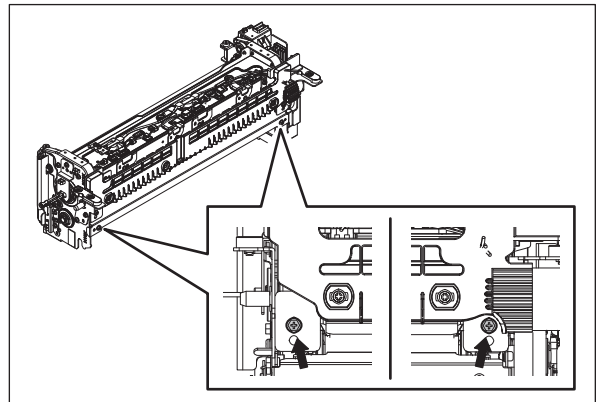


Fig. 4-503

4.9.6 Separation finger

- (1) Take off the transport guide-1.
P. 4-174"4.9.3 Transport guide-1"
- (2) Remove 2 screws, take off the separation finger unit [1] and cover plate [2].

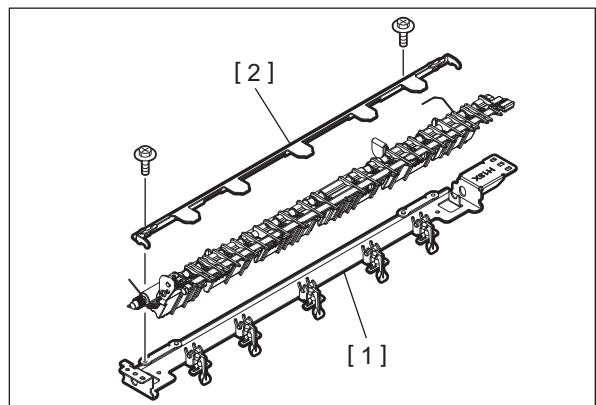


Fig. 4-504

- (3) Remove the spring [1] and take off the separation fingers [2].

Notes:

When installing, be sure to put the spring [1] in the correct position as shown in the figure.

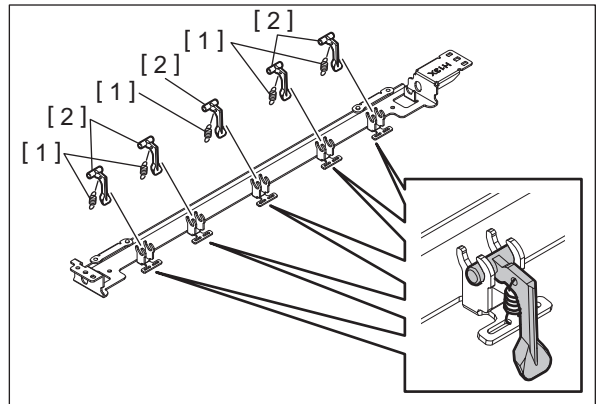


Fig. 4-505

4.9.7 Separation plate

Notes:

When the separation plate has been replaced or taken off, adjust the gap between the plate and the fuser belt.

📖 P. 6-106"6.11.4 Gap adjustment for separation plate"

- (1) Take off the transport guide-1.
📖 P. 4-174"4.9.3 Transport guide-1"
- (2) Take off the transport guide-2.
📖 P. 4-174"4.9.4 Transport guide-2"
- (3) Take off the entrance guide cover.
📖 P. 4-175"4.9.5 Entrance guide cover"
- (4) Loosen 2 pressure screws [1] and take off 2 springs [2].

Notes:

When installing, fully tighten the 2 pressure screws [1] until they are no longer turned.

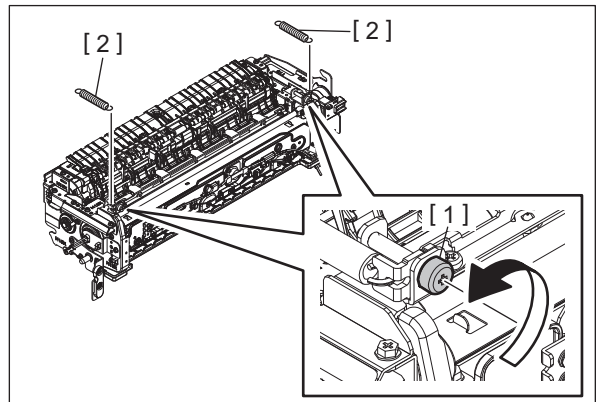


Fig. 4-506

- (5) Remove 3 screws, a rear plate [1] and a bushing [2].

Notes:

When installing, put the harnesses in the harness guide securely so that they are not caught by the rear plate [1].

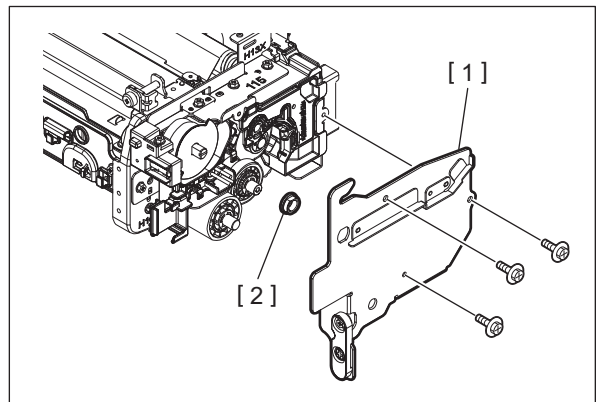


Fig. 4-507

(6) Take off harness cover [1].

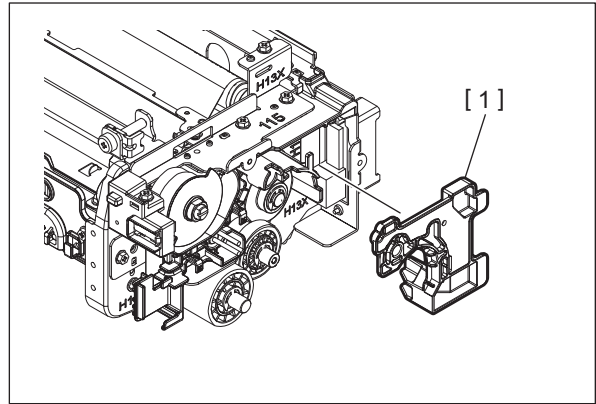


Fig. 4-508

(7) Remove 1 screw, and take off bracket [1].
 (8) Remove 1 screw each, and take off front and rear links [2].

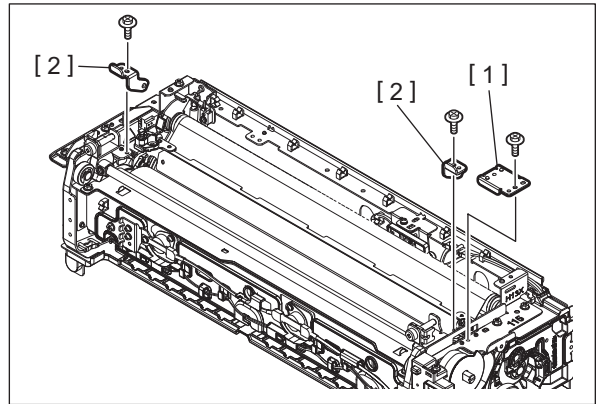


Fig. 4-509

(9) Take off 2 springs.

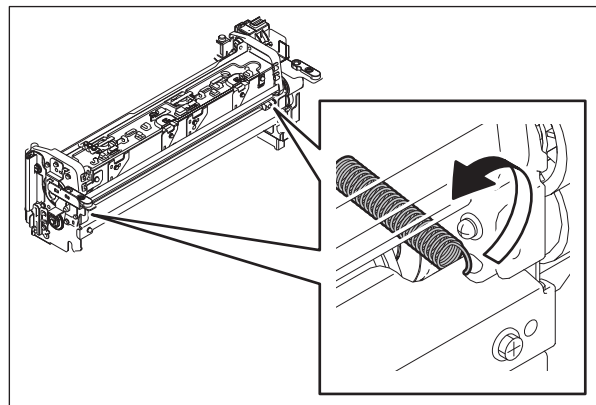


Fig. 4-510

(10) Remove 1 screw each, and take off front and rear studs [1].
 When removing rear stud [1], take off after removing or covering the harness.

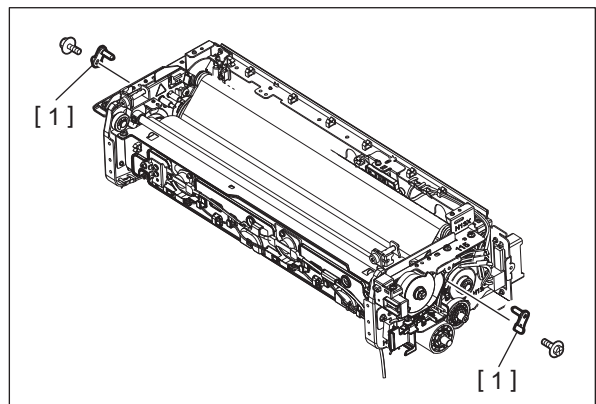


Fig. 4-511

- (11) Remove 2 screws, and take off screw cover [2] from separation plate [1].
- (12) Take off the separation plate [1].
- (13) Take off the plate [3].

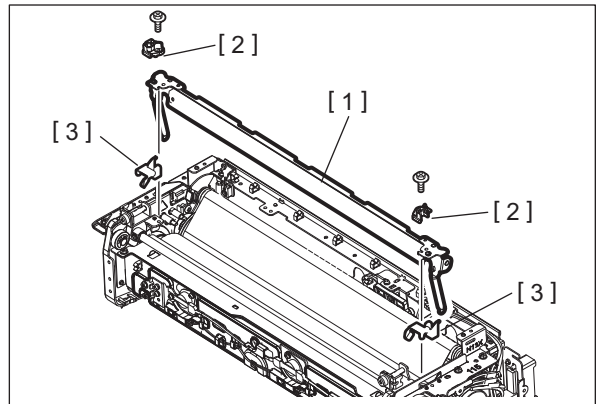


Fig. 4-512

- (14) Remove 2 springs [2] from separation plate [1].

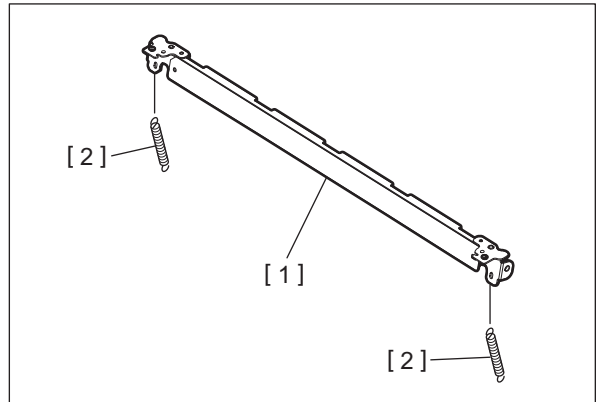







Fig. 4-513

4.9.8 Pressure roller / Pressure roller heater lamp (LAMP)

- (1) Take off the pressure roller cover.
 P. 4-173"4.9.2 Pressure roller cover"
- (2) Take off the transport guide-1.
 P. 4-174"4.9.3 Transport guide-1"
- (3) Take off the rear plate.
 P. 4-176"4.9.7 Separation plate"
- (4) Take off the entrance guide cover.
 P. 4-175"4.9.5 Entrance guide cover"
- (5) Take off 2 links.
 P. 4-176"4.9.7 Separation plate"
- (6) Remove 1 screw and take off the bracket [1] of pressure roller contact / release detection sensor.

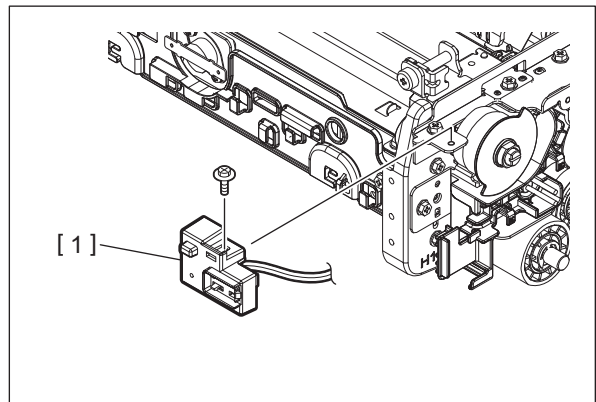


Fig. 4-514

- (7) Release all the harnesses on the rear frame side from the harness guides. Then disconnect all the relay connectors.

Notes:

When installing, pay attention to the following points.

- Be sure that the AC harness (thick line) [1] is routed above the harness guide and fixed with 3 hooks [2], and the DC harness (thin line) [3] is routed under the harness guide and fixed with 4 hooks [4].

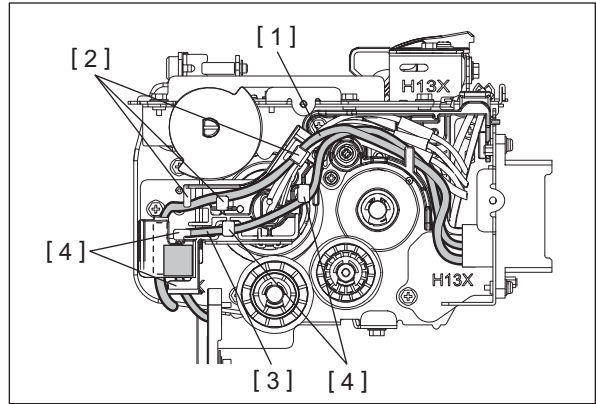


Fig. 4-515

- Be sure that the pressure roller heater lamp harness does not go onto the bent portion of the metal plate [1].
- Be sure that the connector [2] of the pressure roller heater lamp harness is fixed to the inner side with a latch [3].

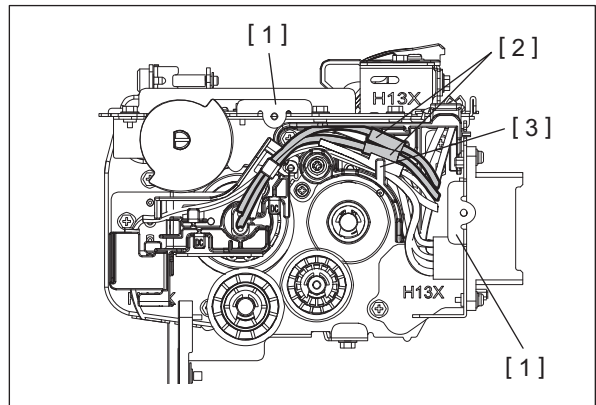


Fig. 4-516

- (8) Remove 1 screw and then take off the rear lamp bracket [1].

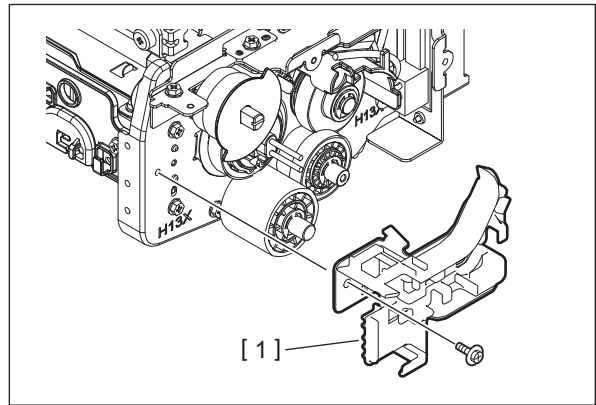


Fig. 4-517

- (9) Remove 2 screws and release the harness from 2 clamps.

Notes:

When installing, be sure to fix the harness securely with 2 clamps.

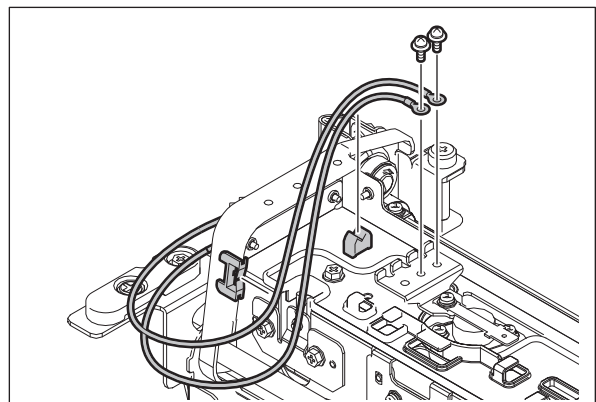


Fig. 4-518

- (10) Release a harness from 2 clamps. Then remove 1 screw and take off the front lamp bracket.

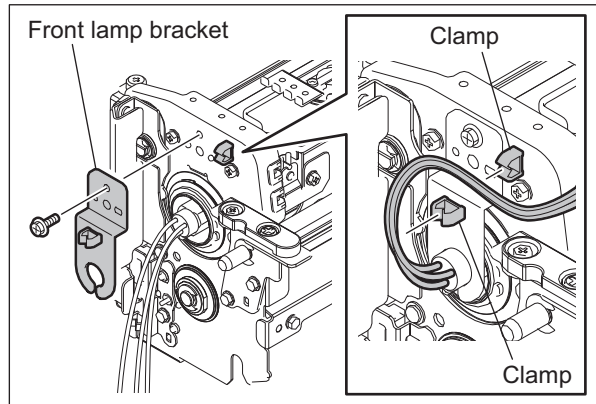


Fig. 4-519

- (11) Slide the pressure roller heater lamp to the rear side to take them off.

Notes:

Follow the notes below to handle the pressure roller lamp.

- When holding the lamp, grasp the glass tube with gloved hands, but not the lead wire and the edge.
- When installing the lamp, be careful not to hit the protrusions on it or its edge against the pressure roller. Do not forcibly pull or move the lamp when its edge is fixed.
- Do not treat the lamp roughly, such as letting it fall on the floor.

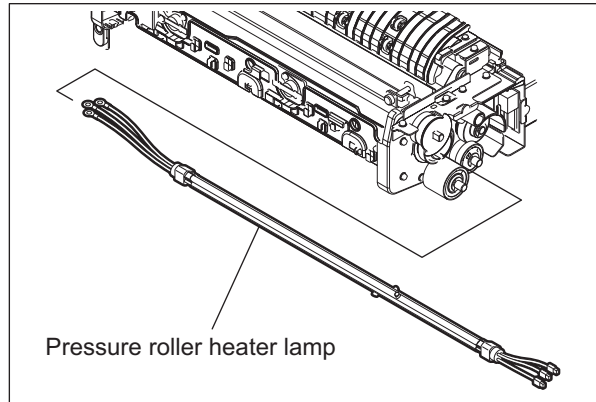


Fig. 4-520

- (12) Remove the E-ring on the front side of the drive roller shaft, and then pull it out from the rear side.

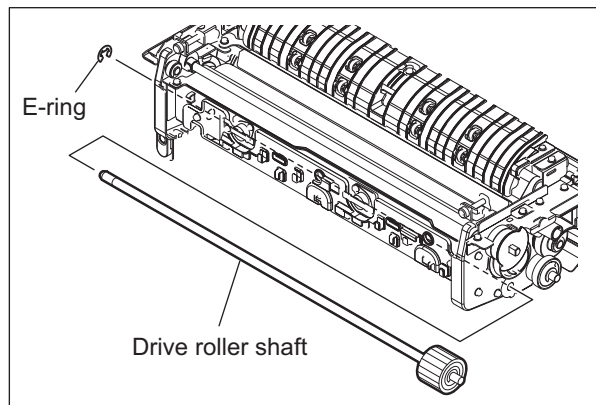


Fig. 4-521

- (13) Rotate the releasing cam so that the pressure roller and the fuser belt do not contact, and then take off the pressure roller frame unit.

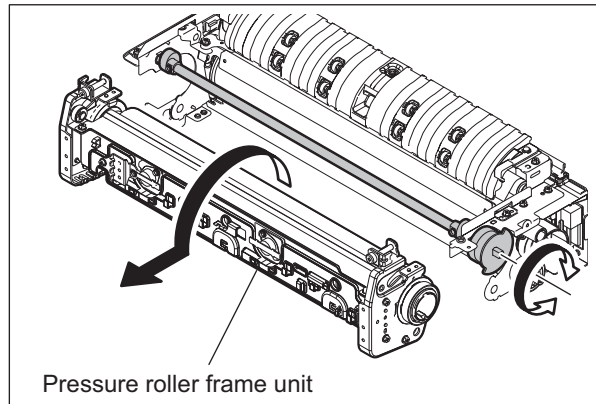


Fig. 4-522

Notes:

When installing, rotate the cam as shown in the figure and then install the pressure roller frame unit.

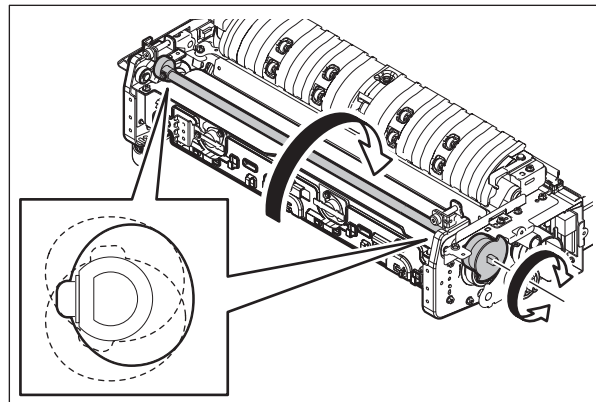


Fig. 4-523

- (14) Remove the C-ring and the gear from both sides of the pressure roller.

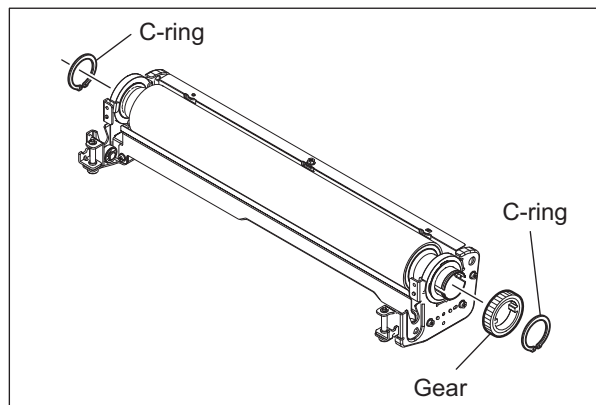


Fig. 4-524

- (15) Slide the bearing on both sides of the pressure roller to the outside to take off the pressure roller from its frame unit.

Notes:

When installing, pay attention to the following notes.

- Do not push the pressure roller against the sensors of the frame unit.
- Check that the edge thermistor of the pressure roller is in contact with it.
- When replacing or removing the pressure roller, check the gap between it and its thermistor (center/side), as well as the gap between it and its thermostat (center/side). P. 6-100"6.11.2 Gap adjustment for pressure roller thermistors" P. 6-103"6.11.3 Gap adjustment for pressure roller thermostats"

- (16) Remove the bearing and bushing from both sides of the pressure roller.

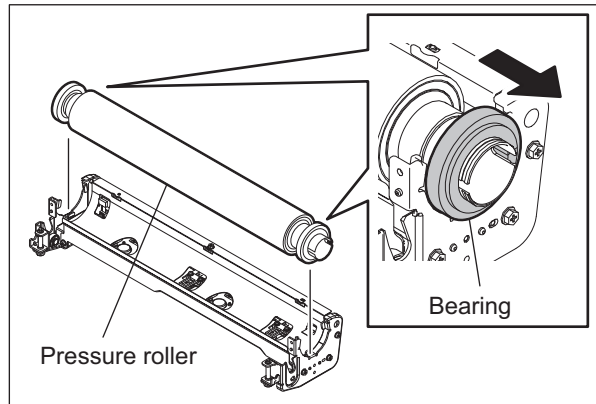


Fig. 4-525

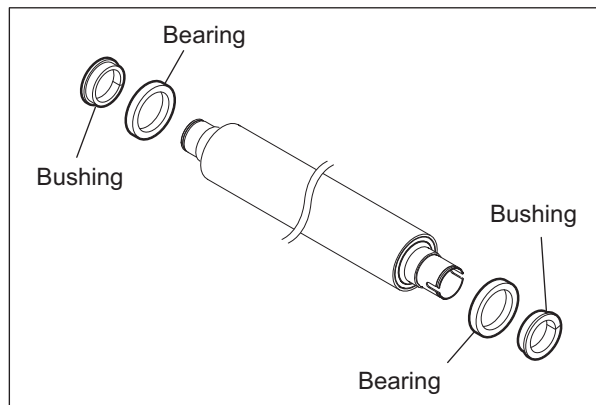


Fig. 4-526

4.9.9 Fuser belt / Fuser roller / Fuser belt guide / Heat pipe roller

- (1) Take off the separation plate.
 P. 4-176"4.9.7 Separation plate"
- (2) Take off the pressure roller unit.
 P. 4-178"4.9.8 Pressure roller / Pressure roller heater lamp (LAMP)"
- (3) Remove 1 screw each, and take off front and rear studs.
 P. 4-176"4.9.7 Separation plate"
- (4) Remove 1 screw and the bracket [1] of the fuser belt edge thermistor.
- (5) Remove 3 screws and take off the front upper frame [2].

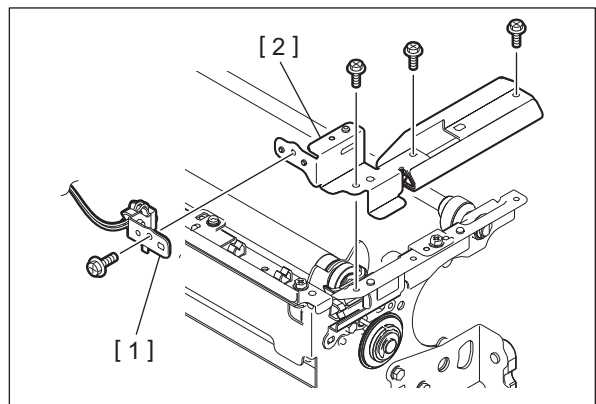


Fig. 4-527

- (6) Remove 3 screws and take off the rear upper frame [1].

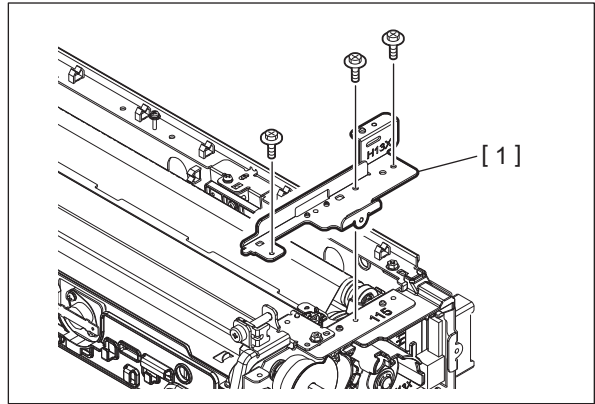


Fig. 4-528

- (7) Remove 2 screws and take off the harness guide-2 [2].

Notes:

When installing, do not let the harness be caught.

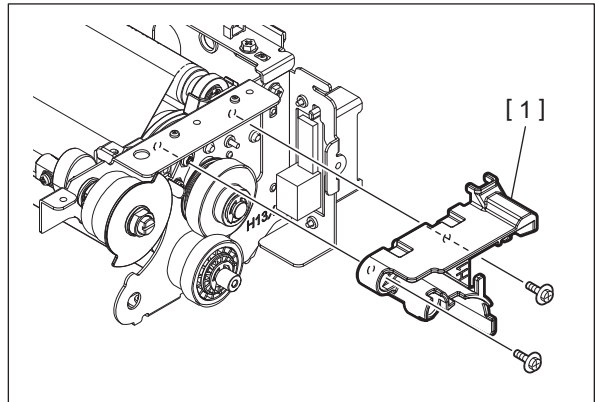


Fig. 4-529

- (8) Remove 2 E-rings and 2 gears.

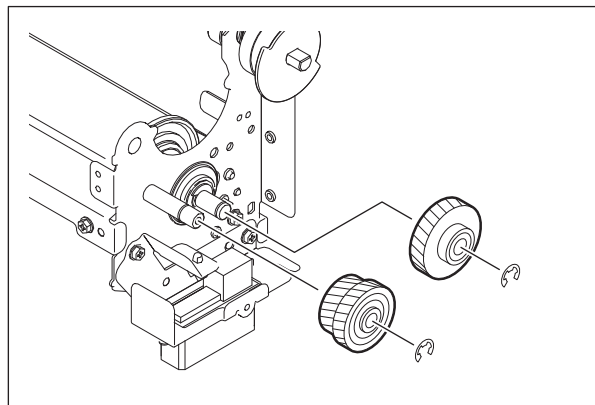


Fig. 4-530

Notes:

1. When installing the gears of the fuser unit in the field, pay attention to their direction.
2. Install GEAR-8H40-FMR with the protrusion of the press-fitted one-way clutch positioned outside as shown in the figure on the right.
3. Install GEAR-8H35-8H30-FMR, which is a two-step gear, with the larger one having 35 gear teeth outside as shown in the figure on the right.

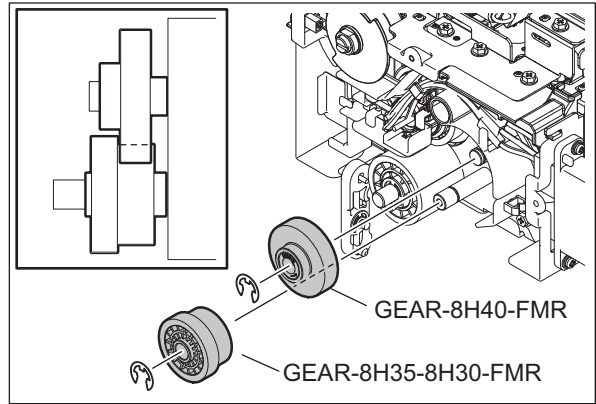


Fig. 4-531

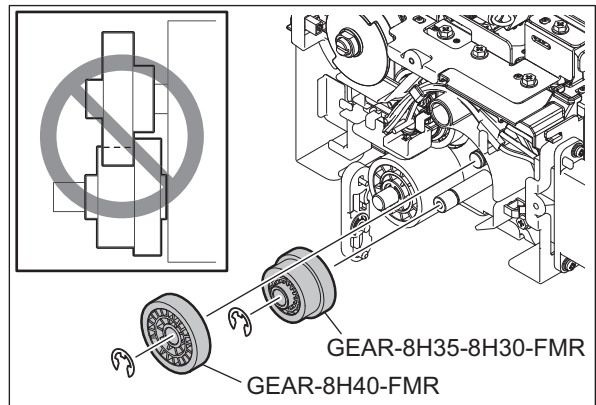


Fig. 4-532

- (9) Remove E-rings on the both sides of the fuser roller. Then remove a washer, a bushing and a bearing.

Notes:

When installing the bushing, be sure to install it in the proper direction and order.

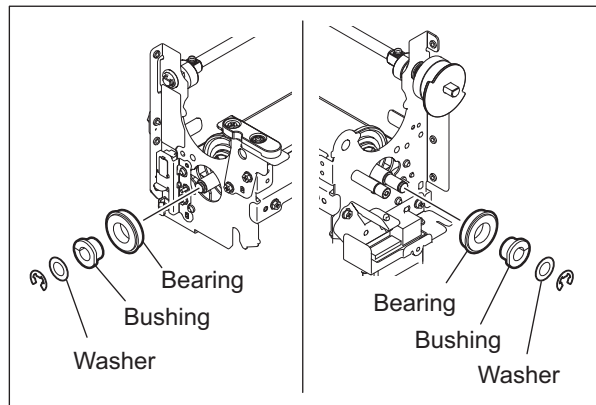


Fig. 4-533

- (10) Take off the heat pipe roller [1] from the holder.

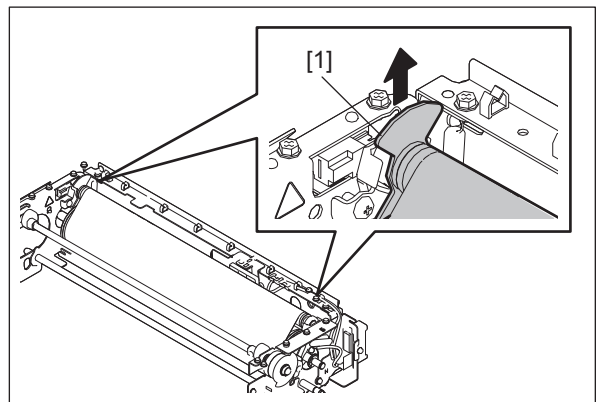


Fig. 4-534

- (11) Turn the fuser unit by 90 degrees, and raise the fuser belt [1] to take it off.

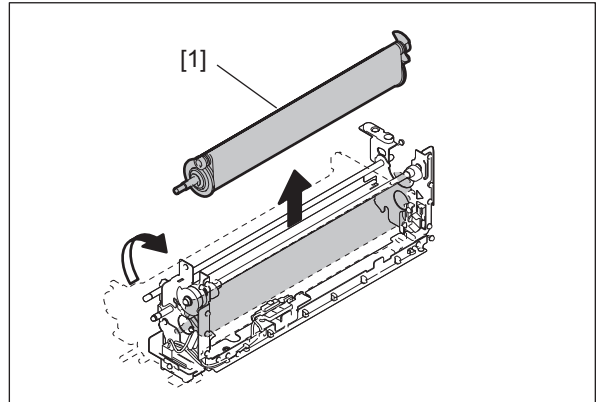


Fig. 4-535

Notes:

Be sure not to disassemble the holder retaining the fuser belt unit in the fuser unit since it is adjusted with the jig.

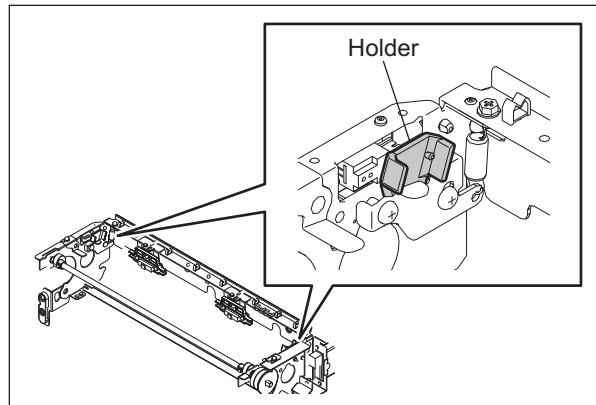


Fig. 4-536

- (12) Remove 1 E-ring each on both sides of the fuser roller. Then take off the fuser belt guide.

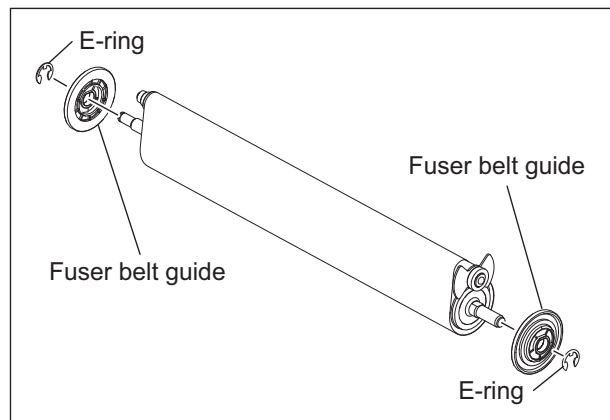


Fig. 4-537

- (13) Pull out the heat pipe roller [1] by sliding it inside of the fuser belt and pushing it to the outside so that it will not contact with the fuser roller.

Notes:

- Be careful not to damage the fuser roller since its surface is soft and easily scratched, especially rubbing the surface could cause a crack. If it is damaged, replace it with a new one.

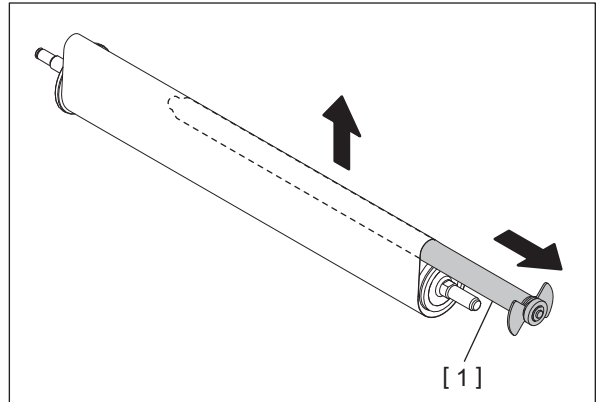


Fig. 4-538

- Install the heat pipe roller [1], letting the side with a rotor be on the front side.

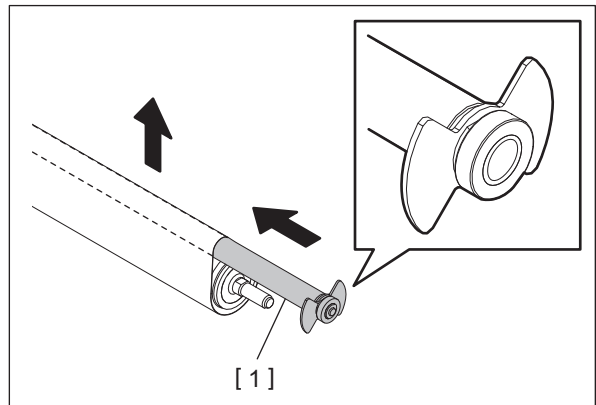


Fig. 4-539

- (14) Remove front E-ring, and take off bearing [1], roller [2] and bushing [3].
 (15) Remove rear E-ring. Take off bushing [3] and bearing [1].

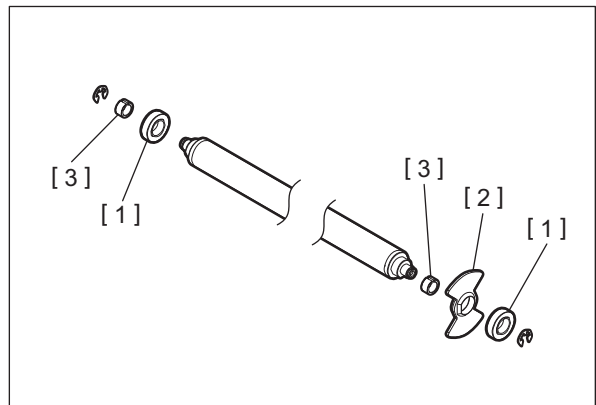


Fig. 4-540

Notes:

- When storing the heat pipe roller, place it in a horizontal position.
- When discarding the heat pipe roller, discard after opening a hole from the axial edge of the D-cut side [1].

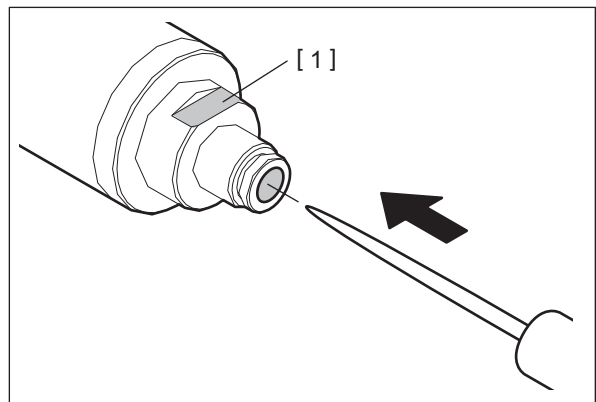


Fig. 4-541

(16) Take off the fuser roller from the fuser belt.

Notes:

- Since the fuser roller is easily damaged such as being torn when its surface is rubbed by your fingers or nails, be sure to hold its shaft or guide.
- Make sure that no dust or similar adheres to the surface of the fuser roller. If there is any tear, flaw or crack on its surface, replace it with a new one.
- Make sure that no dust or similar adheres to the surface of the fuser belt. If there is any flaw on its surface or any bent edge, replace it with a new one.
- When replacing or taking off the fuser belt and fuser roller, check the gap between the belt and its thermostat.
P. 6-96"6.11.1 Gap adjustment for fuser belt thermostats"
- Install the new fuser belt with its protection sheet wound around it. After installing the fuser belt unit, peel off the protection sheet.

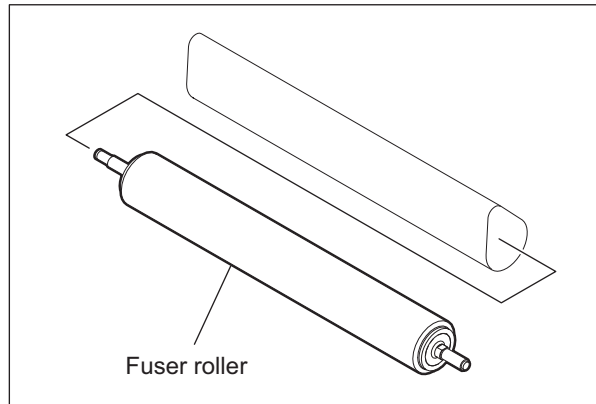


Fig. 4-542

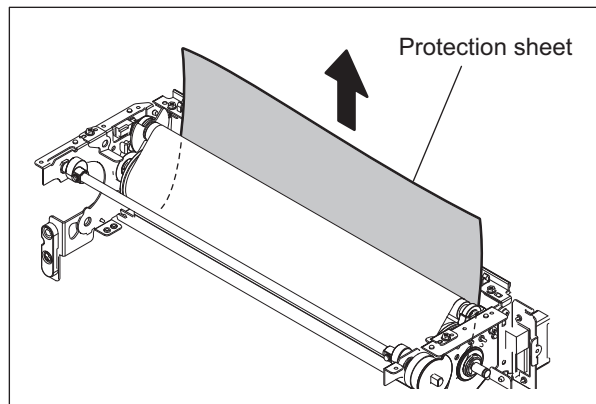


Fig. 4-543

Notes:

Be sure to hold the fuser belt carefully since it is easily damaged and not to pinch its edges since the belt will be creased and torn. Put your hand inside the belt when holding it.

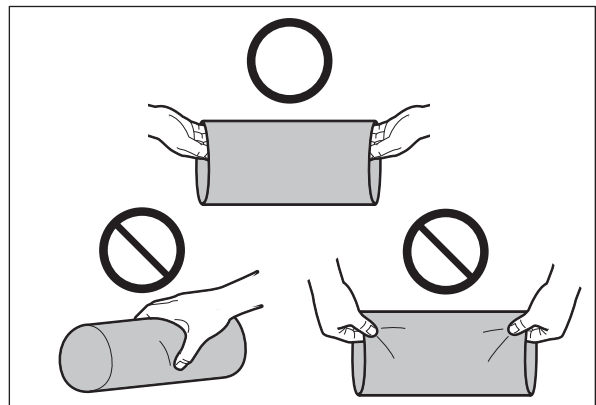


Fig. 4-544

4.9.10 Fuser belt rotation detection sensor (S49)

- (1) Take off the pressure roller cover.
📖 P. 4-173"4.9.2 Pressure roller cover"
- (2) Take off the transport guide-1.
📖 P. 4-174"4.9.3 Transport guide-1"
- (3) Take off the transport guide-2.
📖 P. 4-174"4.9.4 Transport guide-2"
- (4) Remove 1 screw and the bracket [1] of the fuser belt edge thermistor.
- (5) Remove 3 screws and take off the front upper frame [2].
- (6) Remove 1 screw and the bracket [3] of the fuser belt rotation detection sensor.
- (7) Release a harness from 1 clamp [4] and then disconnect a connector [5].

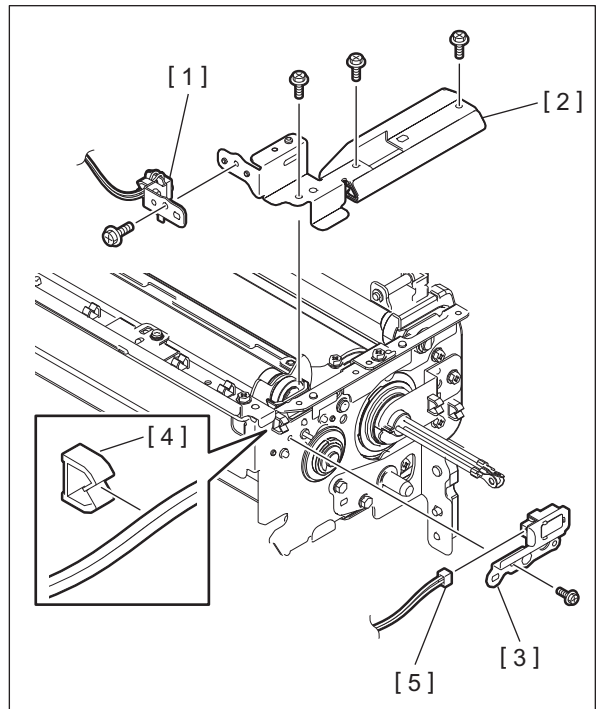


Fig. 4-545

- (8) Remove the fuser belt rotation detection sensor from the bracket.

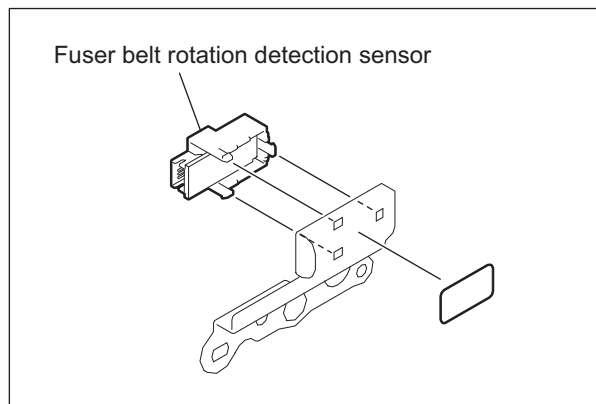


Fig. 4-546

4.9.11 Fuser belt thermostat (THMO4)

- (1) Take off the pressure roller cover.
📖 P. 4-173"4.9.2 Pressure roller cover"
- (2) Take off the transport guide-1.
📖 P. 4-174"4.9.3 Transport guide-1"
- (3) Take off the transport guide-2.
📖 P. 4-174"4.9.4 Transport guide-2"
- (4) Take off the rear plate.
📖 P. 4-176"4.9.7 Separation plate"
- (5) Take off bracket of the fuser belt rotation detection sensor.
📖 P. 4-188"4.9.10 Fuser belt rotation detection sensor (S49)"
- (6) Remove 2 screws and take off the harness guide-2 [1].

Notes:

When installing, do not let the harness be caught.

- (7) Remove 2 screws and take off a sensor bracket stay [1].

Notes:

Do not press the sensor bracket against the fuser belt.

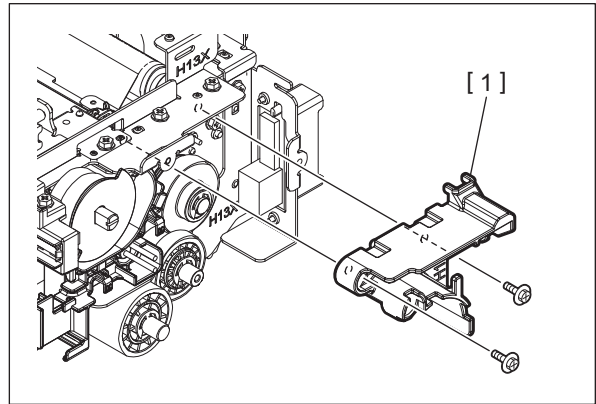


Fig. 4-547

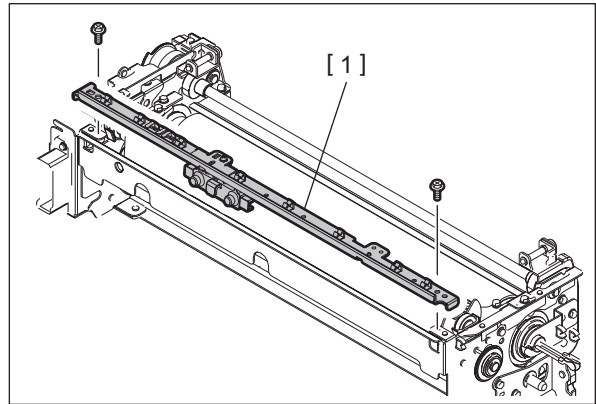



Fig. 4-548

- (8) Take off the fuser belt thermostat [1] by removing 2 screws each.

Notes:

- Do not touch the temperature detection section of the fuser belt thermostat [1].
- When replacing or taking off the fuser belt thermostat [1], check the gap between the fuser belt and its thermostat [1].  P. 6-96"6.11.1 Gap adjustment for fuser belt thermostats"

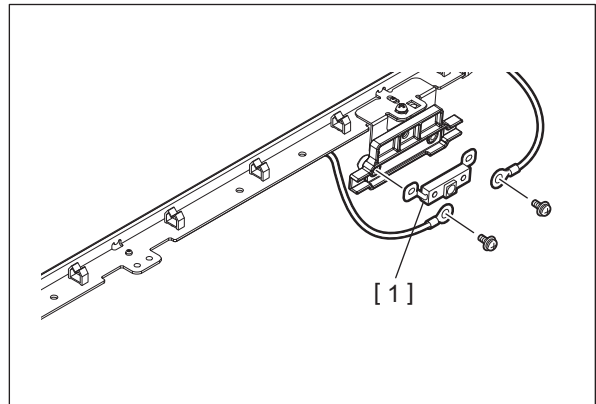


Fig. 4-549

- When assembling, fix the fuser belt thermostat cable securely with a clamp [1] so that it does not contact with the fuser belt.

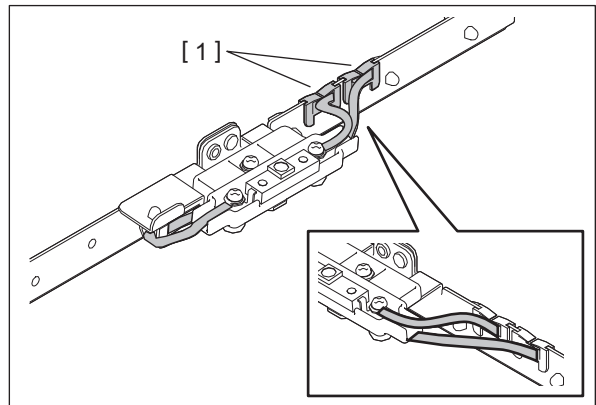





Fig. 4-550

4.9.12 Fuser belt edge thermistor (THM6)

- (1) Take off the transport guide-1.
 P. 4-174"4.9.3 Transport guide-1"
- (2) Take off the transport guide-2.
 P. 4-174"4.9.4 Transport guide-2"
- (3) Take off the rear plate.
 P. 4-176"4.9.7 Separation plate"
- (4) Remove 1 screw and take off the bracket of the fuser belt edge thermistor.

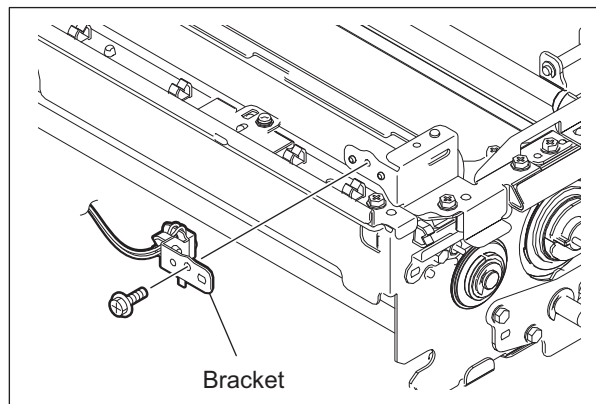


Fig. 4-551

- (5) Release the harness from the harness guide, remove 2 screws and take off harness guide-2 [1].

Notes:

When installing, do not let the harness be caught.

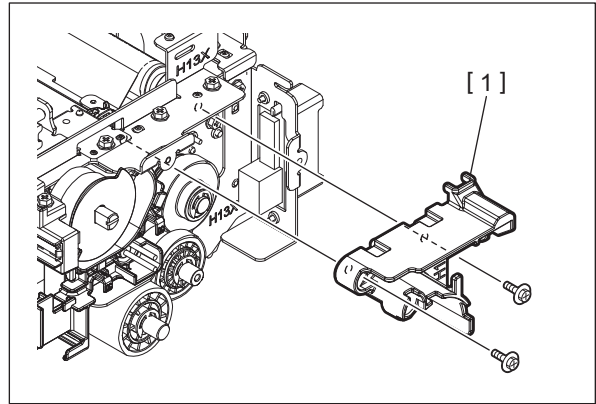


Fig. 4-552

- (6) Disconnect a connector of the fuser belt edge thermistor.
- (7) Release a harness from 7 clamps.

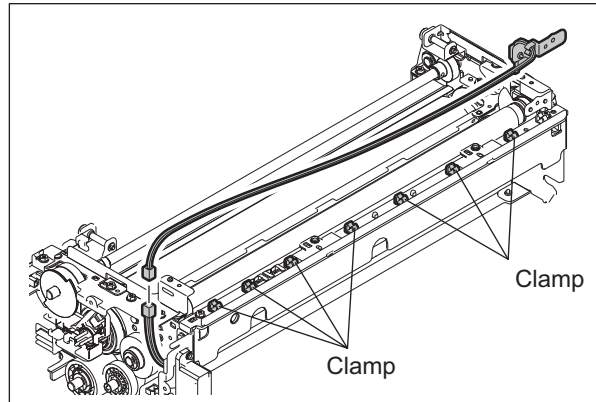


Fig. 4-553

- (8) Remove 1 screw, release the harness from the harness clamp and take off the fuser belt edge thermistor.

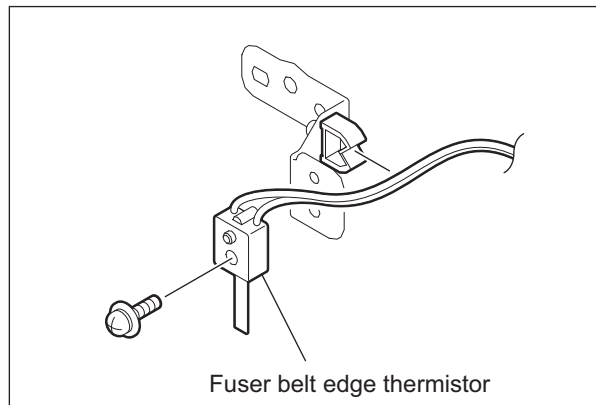


Fig. 4-554

4.9.13 Pressure roller center thermistor (THM3) / Pressure roller side thermistor (THM4) / Pressure roller edge thermistor (THM5)

- (1) Take off the pressure roller cover.
📖 P. 4-173 "4.9.2 Pressure roller cover"
- (2) Take off the entrance guide cover.
📖 P. 4-175 "4.9.5 Entrance guide cover"
- (3) Take off the rear plate.
📖 P. 4-176 "4.9.7 Separation plate"
- (4) Release the harnesses of the pressure roller thermistors (center, side and edge) from the hook of the harness guide.

Notes:

When installing, be sure to fix the harness with the hooks of the harness guide.

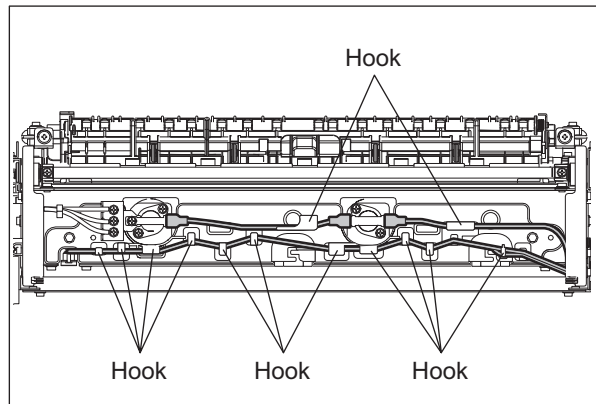


Fig. 4-555

- (5) Remove 1 screw and take off the terminal plate.
- (6) Release the harness from 2 clamps.

Notes:

- When installing, be sure to fix the harness securely with 3 clamps
- The pressure roller heater lamp has 3 harnesses for MJC and MJD destinations, and 2 harnesses for the others.

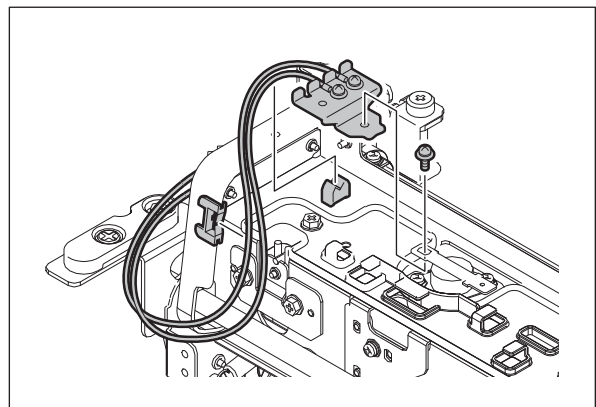


Fig. 4-556

- (7) Remove 2 screws and take off the harness guide [1].

Notes:

When installing, align 2 dowels and 2 hooks of the harness guide [1] with the frame.

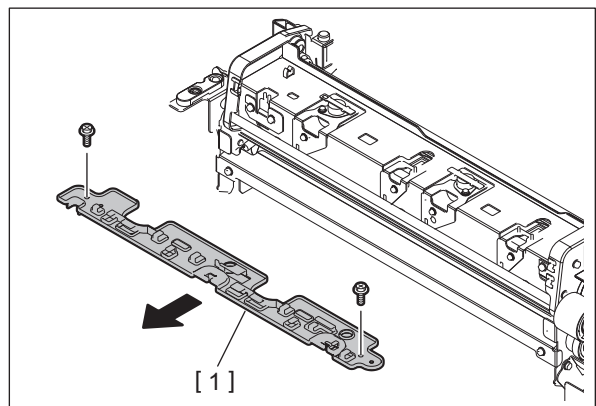


Fig. 4-557

- (8) Remove 2 screws and take off the bracket of the pressure roller edge thermistor.
- (9) Remove 1 screw each and take off each thermistor bracket of the pressure roller center thermistor and the pressure roller side thermistor.
- (10) Disconnect a connector.

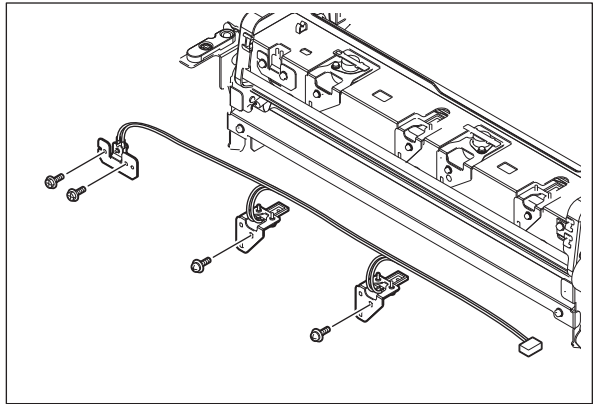
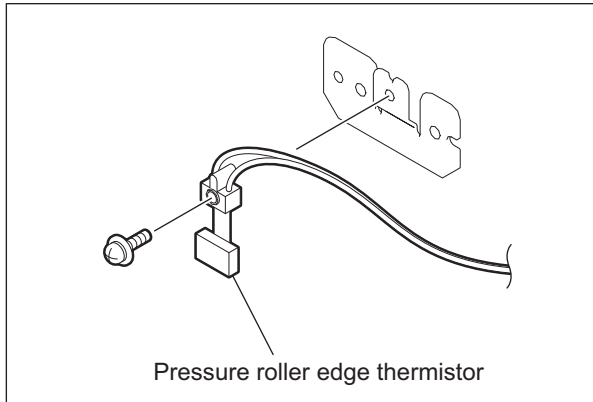


Fig. 4-558

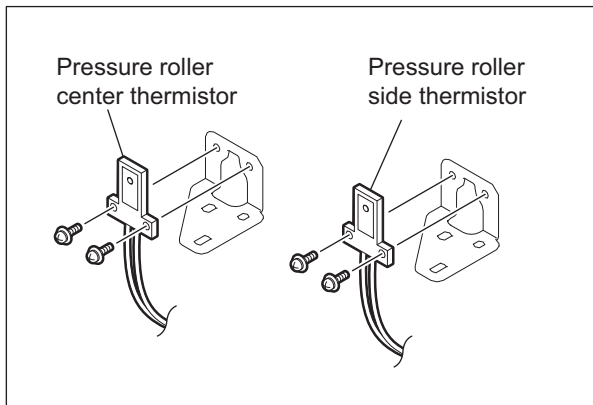
- (11) Remove 1 screw and take off the pressure roller edge thermistor.



Pressure roller edge thermistor

Fig. 4-559

- (12) Remove 1 screw each and take off the pressure roller center thermistor and the pressure roller side thermistor from each bracket.



Pressure roller center thermistor

Pressure roller side thermistor

Fig. 4-560

Notes:

When installing, make sure that the side of the thermistor is correct.

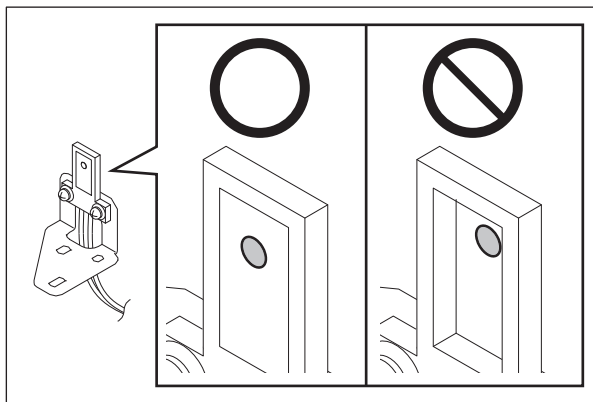



Fig. 4-561

4.9.14 Pressure roller contact/release sensor (S48)

- (1) Take off the pressure roller cover.
 P. 4-173"4.9.2 Pressure roller cover"
- (2) Remove 1 screw and take off the sensor bracket [1].

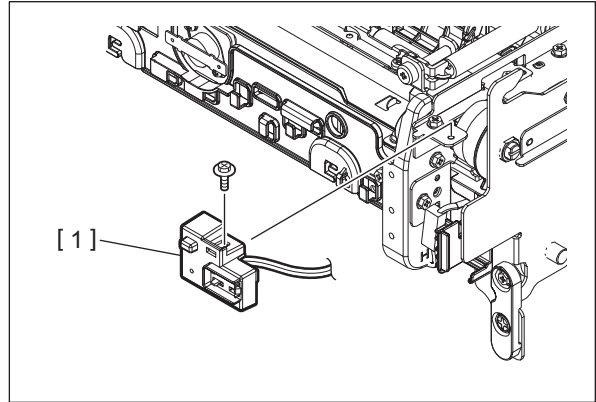


Fig. 4-562

- (3) Remove the film from the sensor bracket [1].
- (4) Take off the pressure roller contact/release sensor [2] and disconnect the connector.

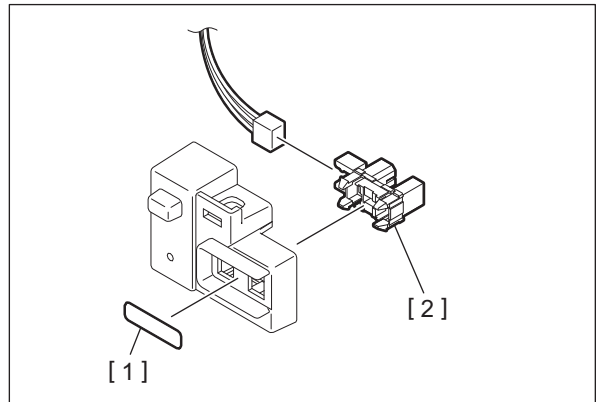


Fig. 4-563

4.9.15 Pressure roller center thermostat (THMO2) / Pressure roller side thermostat (THMO3)

- (1) Take off the pressure roller cover.
P. 4-173 "4.9.2 Pressure roller cover"
- (2) Take off the entrance guide cover.
P. 4-175 "4.9.5 Entrance guide cover"
- (3) Release the harnesses of the pressure roller thermistors (center, side and edge) from the hook of the harness guide.

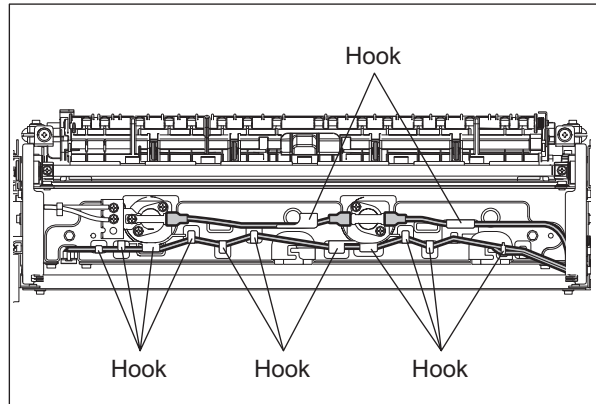


Fig. 4-564

- (4) Remove 2 screws and take off the harness guide [1].

Notes:

When installing, be sure to fix the harness with the hooks of the harness guide [1].

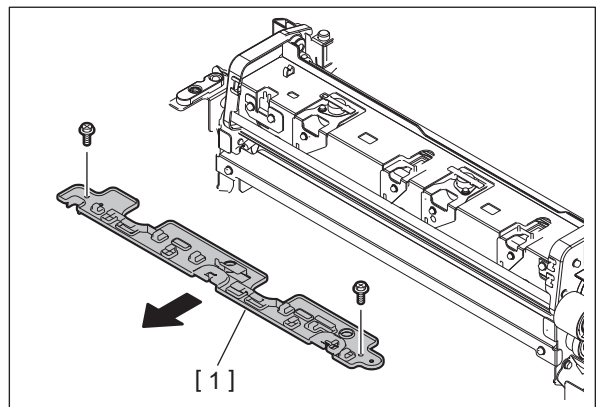


Fig. 4-565

- (5) Remove 1 screw and take off the terminal plate from the pressure roller side thermostat.
- (6) Release the harness from 2 clamps.

Notes:

- When installing, be sure to fix the harness securely with 3 clamps
- The pressure roller heater lamp has 3 harnesses for MJC and MJD destinations, and 2 harnesses for the others.

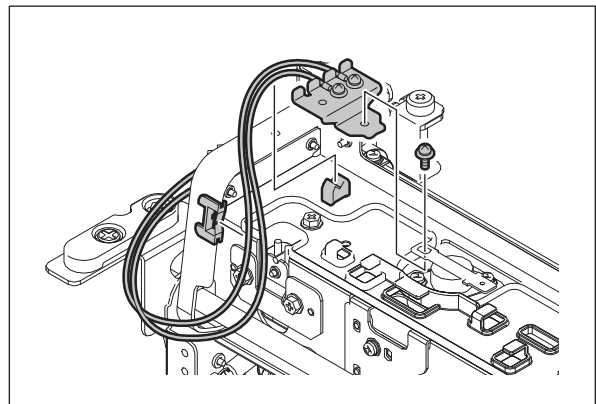


Fig. 4-566

- (7) Disconnect the cables of the pressure roller thermostats (center and side) from the Faston terminal.

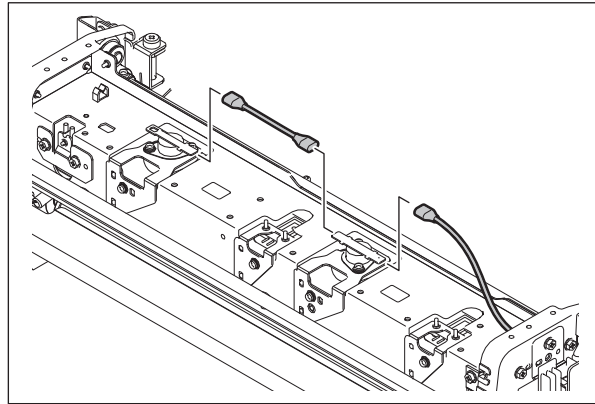


Fig. 4-567

Notes:

When the harness is installed, do not insert the thermostat terminal between the Faston terminal and the tube.

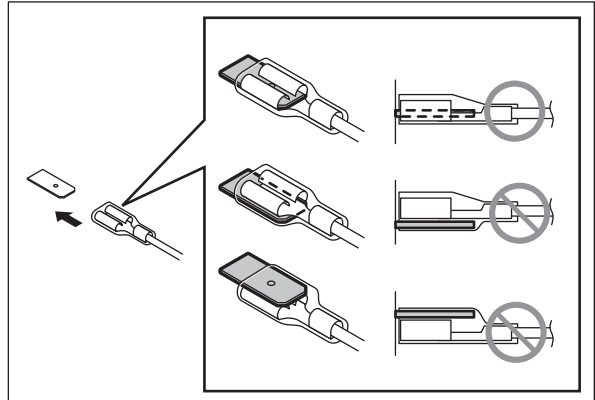


Fig. 4-568

- (8) Remove 1 screw each and take off each thermostat bracket of the pressure roller center thermostat and the pressure roller side thermostat.

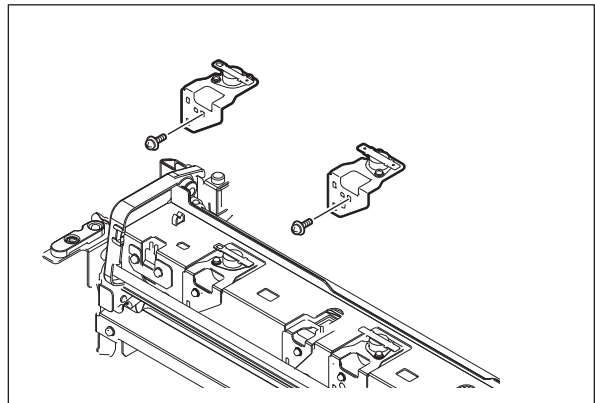



Fig. 4-569

- (9) Remove 2 screws each and take off the pressure roller center thermostat and the pressure roller side thermostat from each bracket.

Notes:

- Do not touch the temperature detection section of the pressure roller thermostat.
- When replacing the pressure roller center thermostat or the pressure roller side one, check the gap between this and the pressure roller.  P. 6-103"6.11.3 Gap adjustment for pressure roller thermostats"

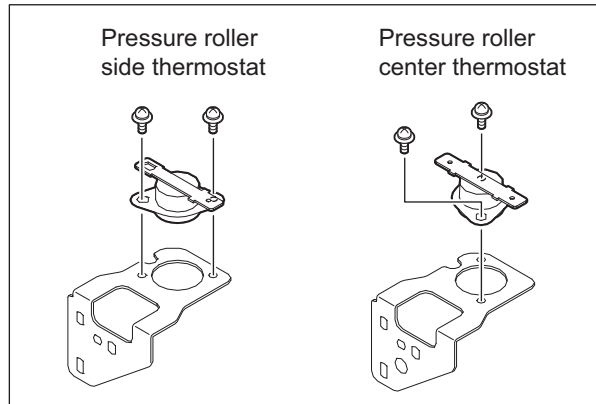


Fig. 4-570

- Install the correct pressure roller thermostat since the center and side ones are similar but different.

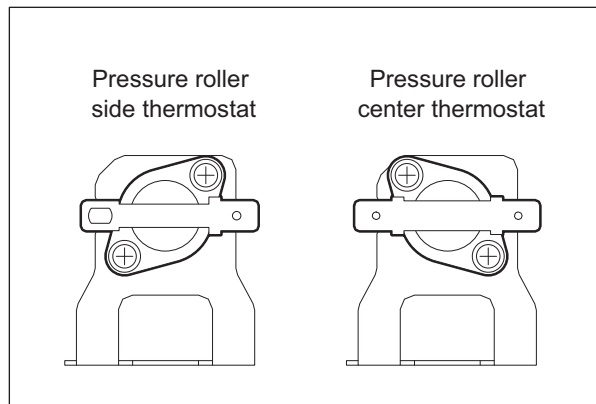




Fig. 4-571

4.9.16 IH coil

- (1) Take off the fuser unit.
 P. 4-172"4.9.1 Fuser unit"
- (2) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (3) Release a harness from the clamp and disconnect 2 connectors.
- (4) Remove 4 screws and take off the IH board cover.

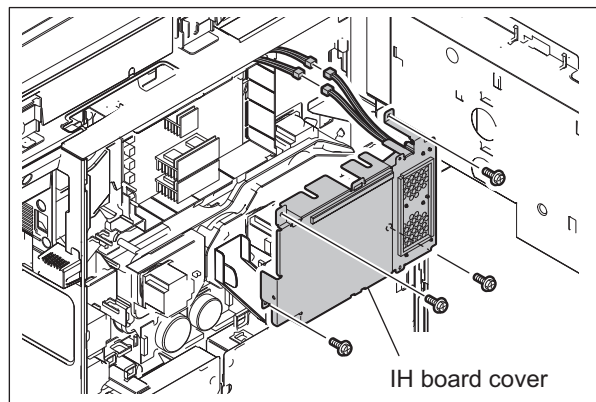


Fig. 4-572

- (5) Remove 2 screws and take off the harness of the IH coil.

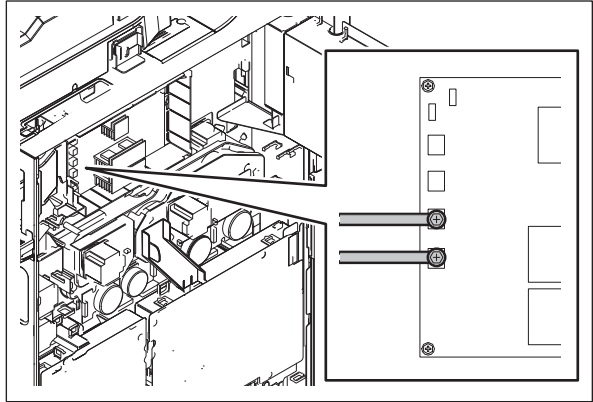


Fig. 4-573

- (6) Remove 2 screws and take off the IH coil [1].

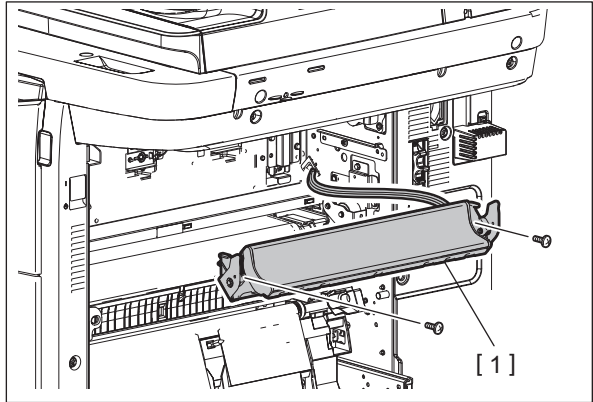


Fig. 4-574

Notes:

- Be sure to put the IH coil with the tip of its positioning metal plate up to prevent it from deforming.
- When installing the IH coil in the equipment, be careful not to deform its positioning metal plate.

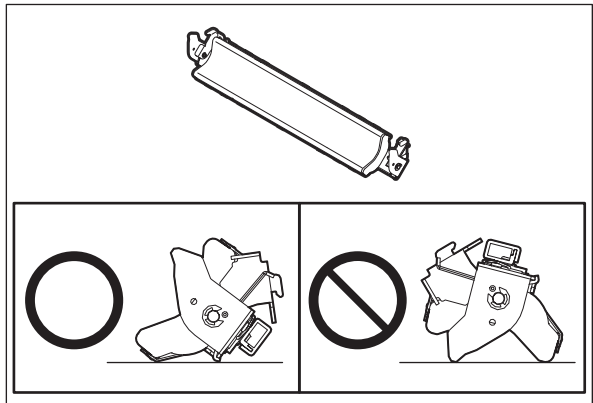


Fig. 4-575

4.9.17 Fuser belt thermopile (THMP1)

- (1) Take off the fuser unit.
📖 P. 4-172"4.9.1 Fuser unit"
- (2) Remove 1 screw and take off the sensor bracket.
- (3) Release the harness from 4 clamps.
- (4) Remove 1 screw and connector take off the fuser belt thermopile [1].

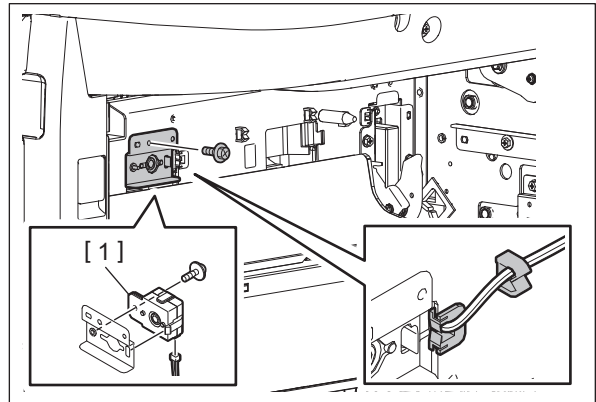


Fig. 4-576

4.9.18 Fuser motor (M6)

- (1) Open the SYS board case.
📖 P. 9-2"9.1.3 SYS board case"
- (2) Release a harness from 2 clamps.

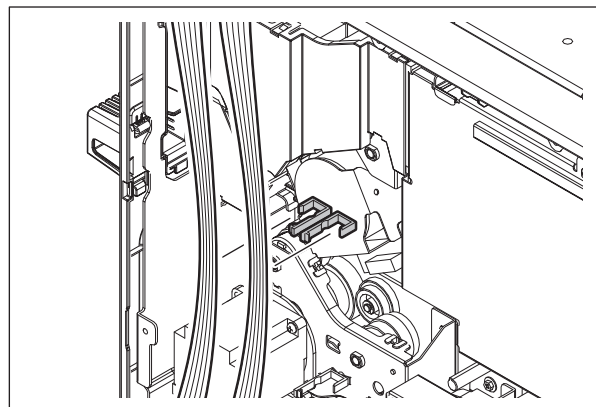


Fig. 4-577

- (3) Remove 2 screws and take off the motor bracket [1].
- (4) Disconnect a connector of the exit paper cooling fan (rear).
- (5) Remove 2 screws and take off the duct [2].
- (6) Disconnect a connector [4] from the fuser motor [3].
- (7) Remove 2 screws and take off the fuser motor [3].

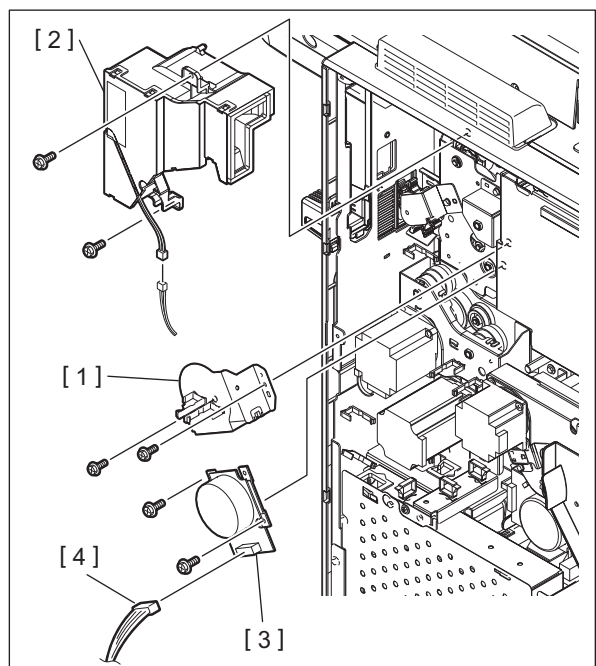


Fig. 4-578

4.9.19 Pressure roller contact/release clutch (CLT1)

- (1) Take off the fuser unit.
📖 P. 4-172"4.9.1 Fuser unit"
- (2) Open the SYS board case.
📖 P. 9-2"9.1.3 SYS board case"
- (3) Release the harness from 2 clamps.
- (4) Disconnect 2 connectors from the fuser motor and pressure roller contact/release clutch.

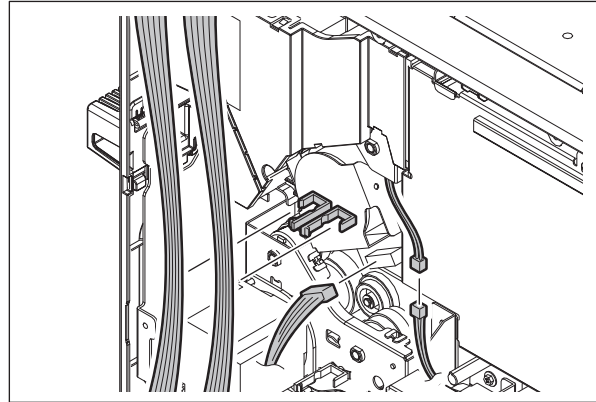


Fig. 4-579

- (5) Disconnect the connector of the exit paper cooling fan (rear). Then remove 2 screws and take off the a duct.
- (6) Remove 2 screws and take off the duct [1].
- (7) Remove 1 screw and take off the bracket [2] of the handle.

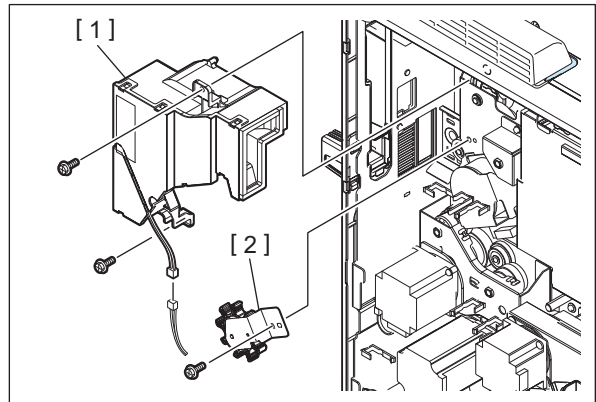


Fig. 4-580

- (8) Remove 4 screws and take off the fuser drive unit [1].

Notes:

When installing, do not let the harness be caught. Be sure that 2 dowels [2] are securely fitted into the holes of the fuser drive unit.

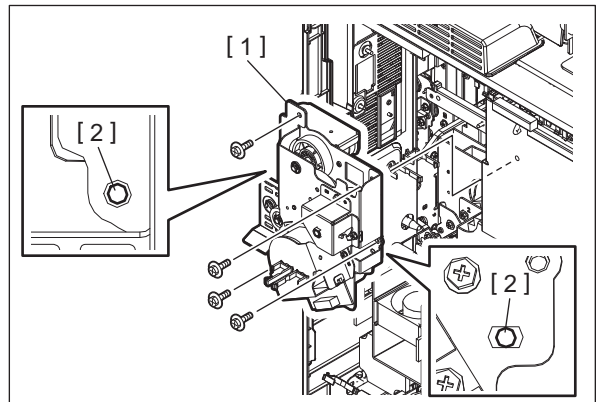


Fig. 4-581

Notes:

When disassembling the fuser drive unit, apply white grease (Molykote HP-300) on the shafts shown in the right figure.

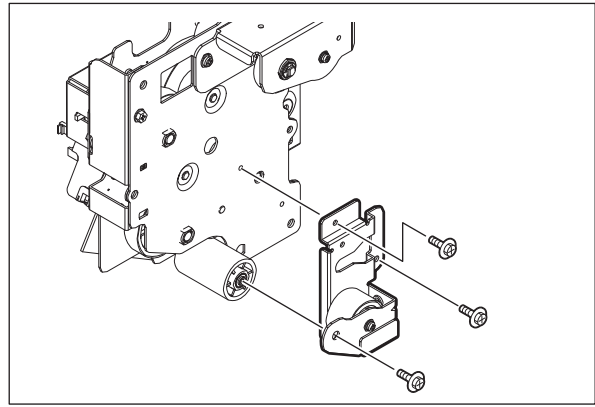


Fig. 4-582

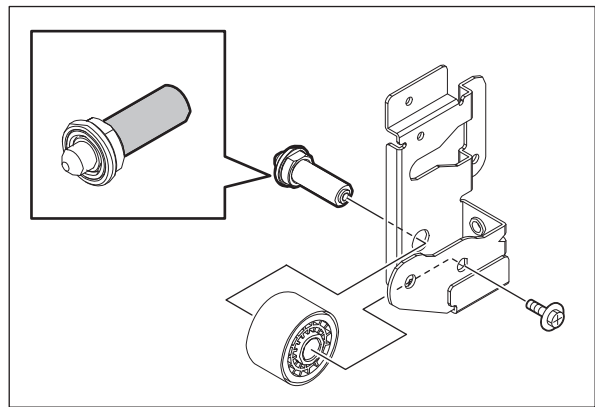


Fig. 4-583

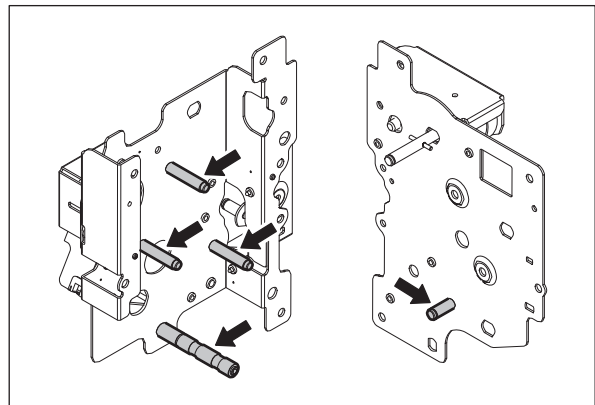


Fig. 4-584

- (9) Remove 2 screws and take off the bracket [1] of the pressure roller contact/release clutch.
- (10) Loosen 2 screws [2] and take off the pressure roller contact/release clutch.

Notes:

When installing, align the shaft chamfering section with the hole.

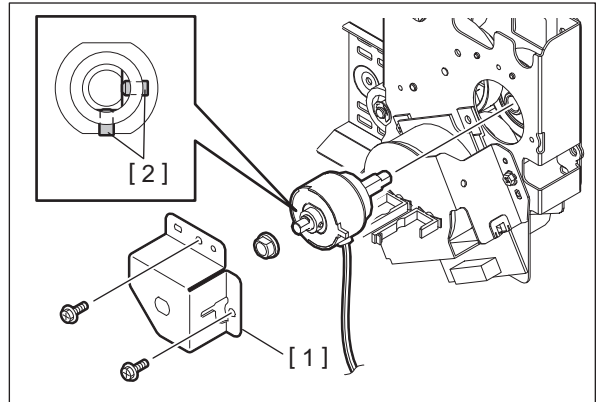


Fig. 4-585

Notes:

When installing the shaft to the clutch, pay attention to the following points.

- Fix the shaft [2] with the screws so that the edge of the clutch [1] is between the grooves in the shaft.

A: Correct installation position

B, C: Separated from the grooves

- When fixing the shaft, tighten 2 screws [3] securely with a hexagon wrench.

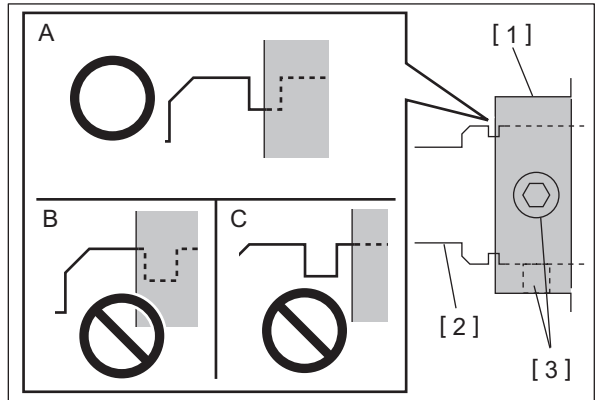


Fig. 4-586

4.9.20 Exit paper cooling fan (rear) (F15)

- (1) Take off the fuser unit.
 P. 4-172"4.9.1 Fuser unit"
- (2) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (3) Release a harness from 2 clamps.

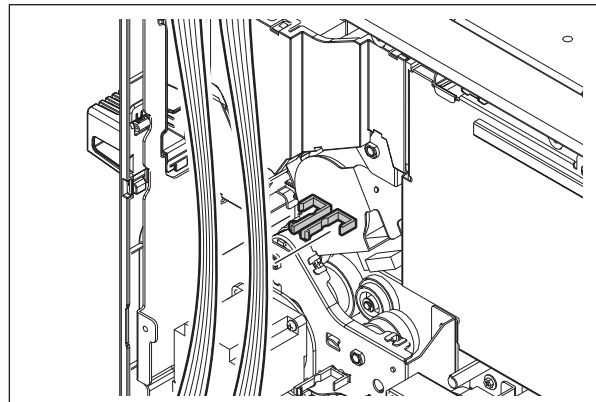


Fig. 4-587

- (4) Disconnect a connector of the exit paper cooling fan (rear).
- (5) Remove 2 screws and take off the duct.

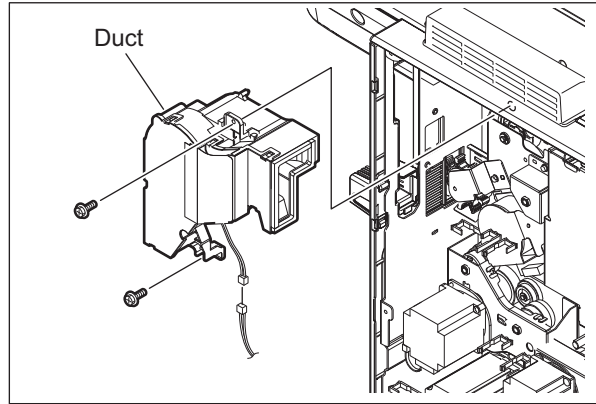


Fig. 4-588

- (6) Release the harness [1] of the paper cooling fan (rear).
- (7) Release 7 hooks to take off the duct cover [2].
- (8) Take off the exit paper cooling fan (rear) [3] from the duct.

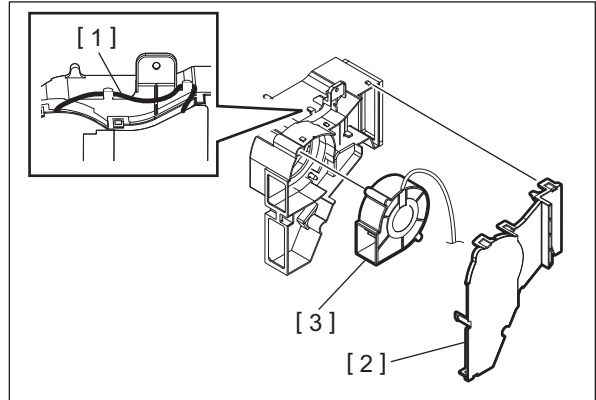


Fig. 4-589

4.9.21 IH cooling fan-1 (F8) / IH cooling fan-2 (F9)

- (1) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (2) Take off the IH board cover.
 P. 4-197"4.9.16 IH coil"
- (3) Remove 2 screws each and take off the IH cooling fan-1 and IH cooling fan-2.

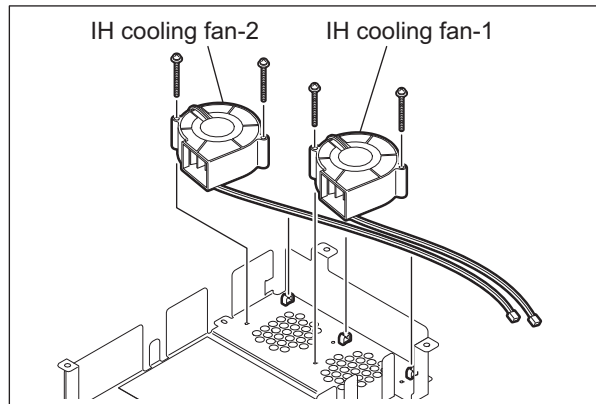




Fig. 4-590

4.9.22 IH board (IH)

- (1) Open the SYS board case.
 P. 9-2"9.1.3 SYS board case"
- (2) Take off the IH board cover and the harness of the IH coil.
 P. 4-197"4.9.16 IH coil"
- (3) Disconnect 3 connectors from the IH board [1].
- (4) Remove 5 screws and take off the IH board [1].

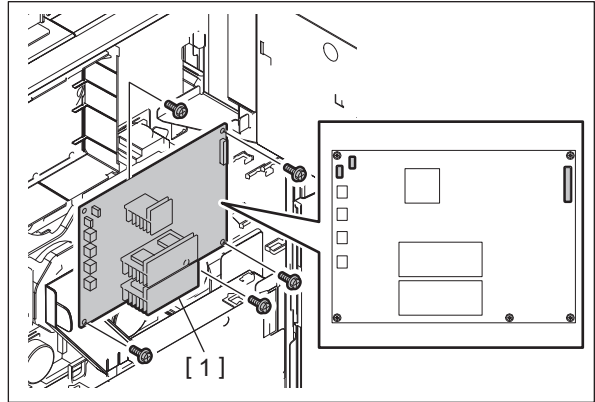



Fig. 4-591

4.9.23 Fuser unit jam releasing LED (LED)

- (1) Take off the right corner cover.
 P. 4-8"4.1.22 Right corner cover"
- (2) Open the front cover and pull out the bridge unit.
- (3) Remove 2 screws and then take off the inner cover.

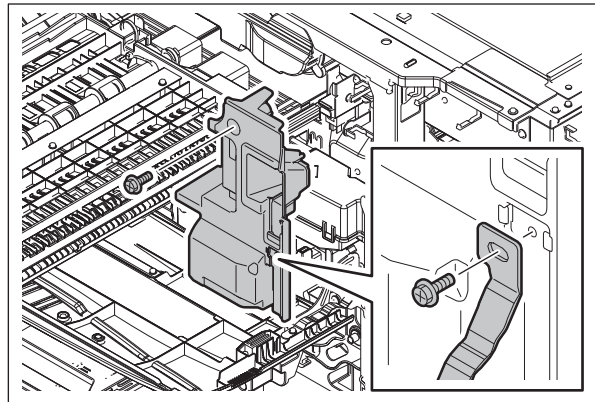


Fig. 4-592

- (4) Remove 1 screw and disconnect the connector to take off the LED bracket.
- (5) Remove 1 screw and then take off the fuser unit jam releasing LED [1].

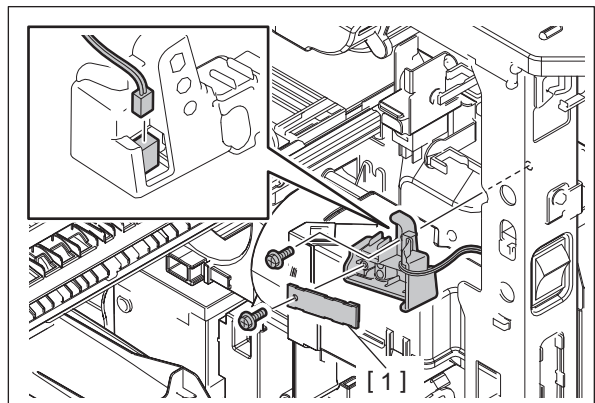



Fig. 4-593

4.9.24 VOC filter 1

The replacement of VOC filter 1 is per 2PM. Ensure replacement is per 2PM.

- (1) Take off upper exhaust fan cover [1].
 P. 4-7"4.1.19 Upper exhaust fan cover"
- (2) Take off VOC filter 1 [2].

Notes:

- Do not take out the new filter from the bag until just before replacement.
- Insert the filter between 2 ribs.
- Install without breaking the filter cell.

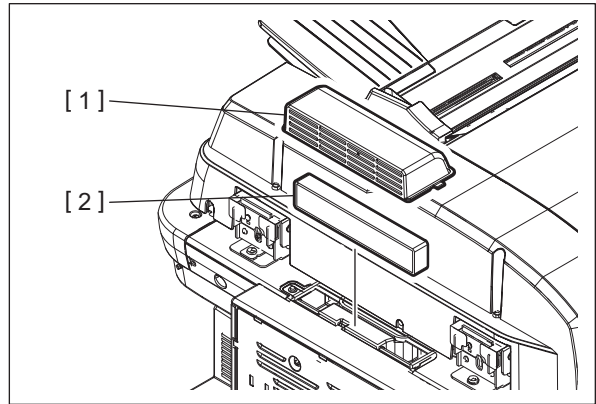


Fig. 4-594

4.9.25 VOC filter 2

The replacement of VOC filter 2 is per 2PM. Ensure replacement is per 2PM.

- (1) Open the duplexing unit.
- (2) Remove 1 screw, and take off filter cover [1].
- (3) Take off VOC filter 2 [2].

Notes:

- Do not take out the new filter from the bag until just before replacement.
- Push in the filter until the rear of the case.
- Install without breaking the filter cell.

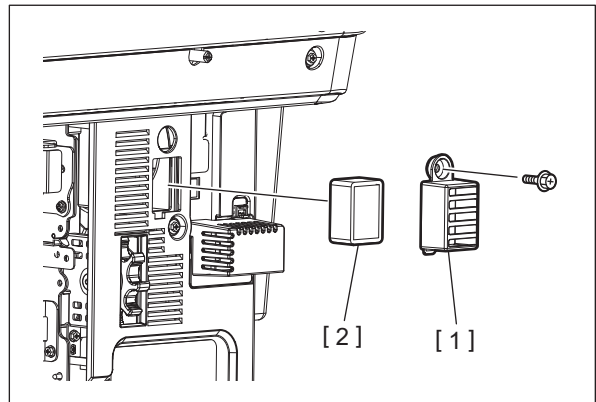


Fig. 4-595

4.10 Exit / Reverse / Duplex Section

4.10.1 Upper exit section cooling fan-1(F32) / Upper exit section cooling fan-2 (F33)

- (1) Take off the receiving tray.
📖 P. 4-3"4.1.8 Receiving tray"
- (2) Remove 2 screws and disconnect 2 connectors. Then take off the upper exit section cooling fan unit.

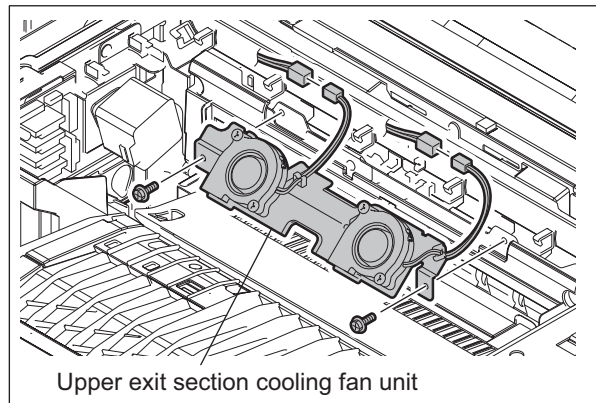


Fig. 4-596

- (3) Release the harness from the clamp.
- (4) Take off the upper exit section cooling fan-1 and the upper exit section cooling fan-2 by removing 2 screws from each.

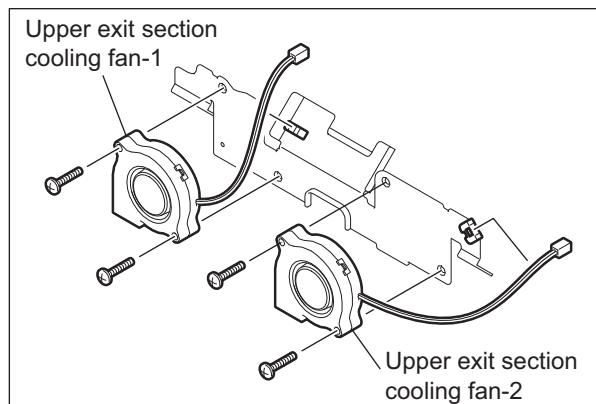


Fig. 4-597

4.10.2 Lower exit section cooling fan-1(F34) / Lower exit section cooling fan-2 (F35)

- (1) Take off the receiving tray.
📖 P. 4-3"4.1.8 Receiving tray"
- (2) Take off the left top cover.
📖 P. 4-4"4.1.10 Left top cover"
- (3) Lift up the reverse path cover. Then take off the lower exit section cooling fan-1 and the lower exit section cooling fan-2 by removing 2 screws and disconnecting 1 connector of each.

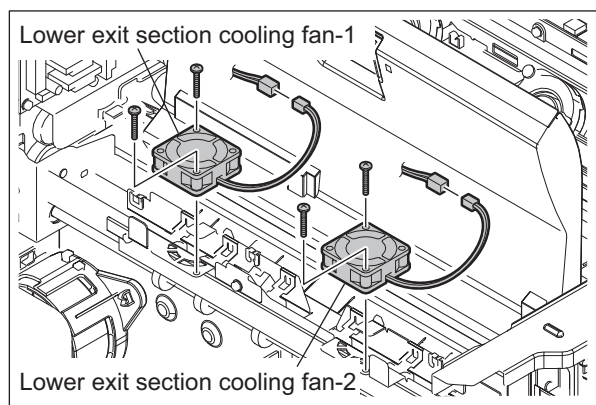


Fig. 4-598

4.10.3 Lower exit section cooling fan-3(F36)

- (1) Take off the left top cover.
P. 4-4"4.1.10 Left top cover"
- (2) Disconnect a connector by releasing the harness from the clamp.
- (3) Take off the lower exit section cooling fan-3 by removing 2 screws.

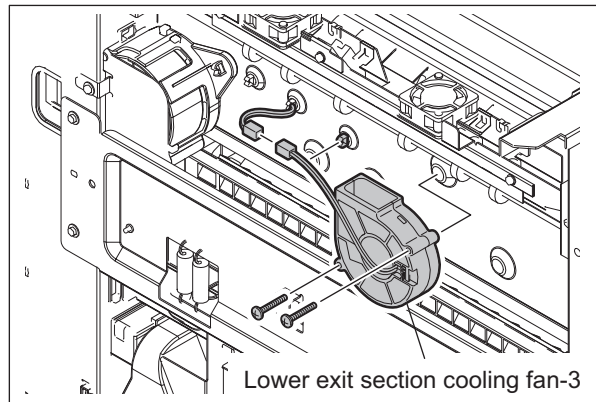


Fig. 4-599

4.10.4 Exit motor (M2)

- (1) Take off the receiving tray.
P. 4-3"4.1.8 Receiving tray"
- (2) Take off the left top cover.
P. 4-4"4.1.10 Left top cover"
- (3) Release the harness from 2 clamps [1].
- (4) Disconnect all the connectors of the DRV board [2].
- (5) Remove 4 screws to take off the DRV board [2].

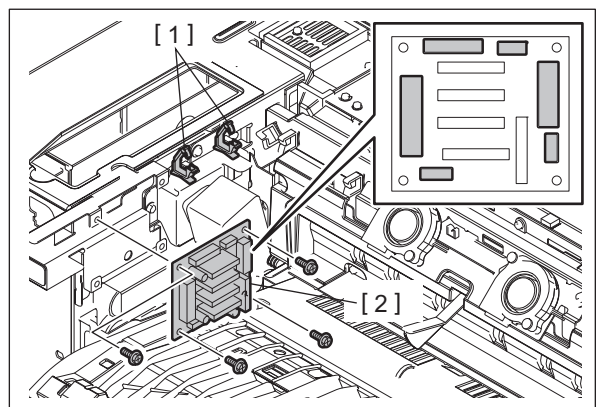


Fig. 4-600

- (6) Remove 2 screws and disconnect a connector. Then take off the motor bracket.

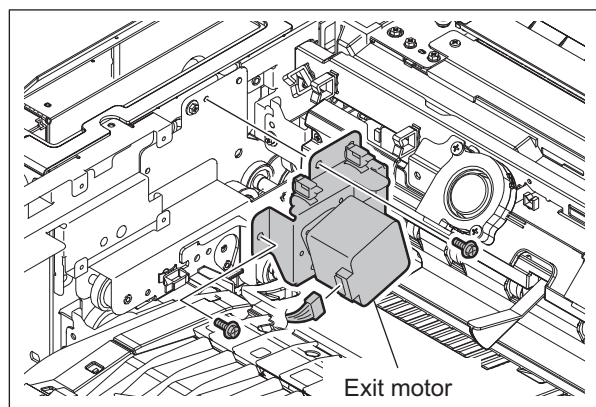


Fig. 4-601

- (7) Remove 2 screws and take off the exit motor from the motor bracket.

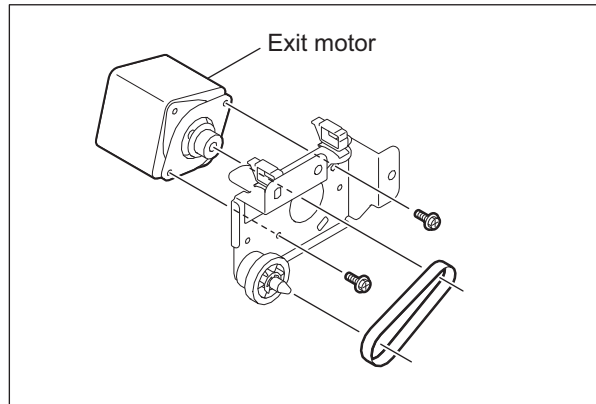


Fig. 4-602

4.10.5 Upper paper exit sensor (S61) / Upper exit tray paper full detection sensor (S62)

- (1) Take off the upper exit section fan unit.
 P. 4-206"4.10.1 Upper exit section cooling fan-1(F32) / Upper exit section cooling fan-2 (F33)"
- (2) Take off the exit motor.
 P. 4-207"4.10.4 Exit motor (M2)"
- (3) Remove 4 screws to take off the upper exit cover.

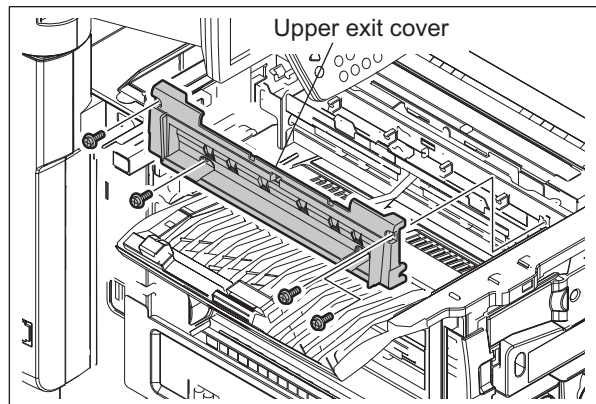


Fig. 4-603

- (4) Remove 2 screws and then take off the upper paper exit roller unit.
- (5) Disconnect 1 connector and then release a harness from a clamp.

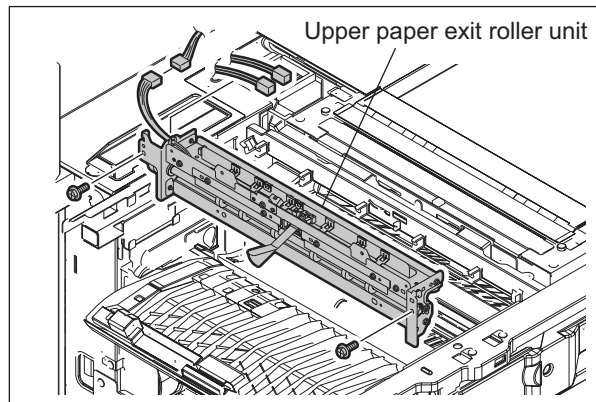


Fig. 4-604

- (6) Take off the upper exit tray paper full detection sensor [1] from the sensor bracket.
- (7) Release the harness from the clamp and then disconnect the connector.
- (8) Remove 1 screw and disconnect the connector. Then take off the sensor bracket [2].
- (9) Take off the upper paper exit sensor [3] from the sensor bracket.

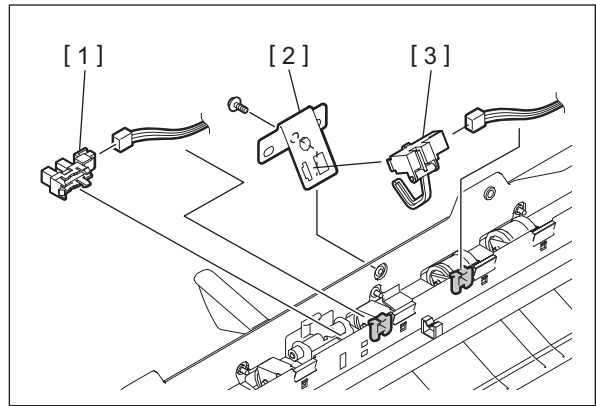


Fig. 4-605

4.10.6 Lower paper exit sensor (S63)

- (1) Take off the left top cover.
 P. 4-4"4.1.10 Left top cover"
- (2) Lift up the reverse path cover and then disconnect each connector of the lower exit section cooling fans-1 and -2. Then release a harness from a clamp.

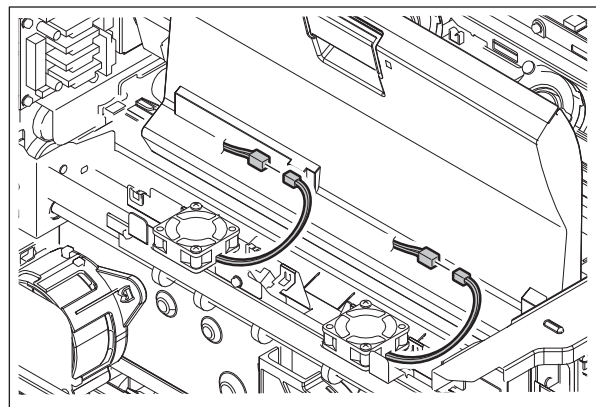


Fig. 4-606

- (3) Remove 2 screws and disconnect a connector. Then take off the lower paper exit roller unit.

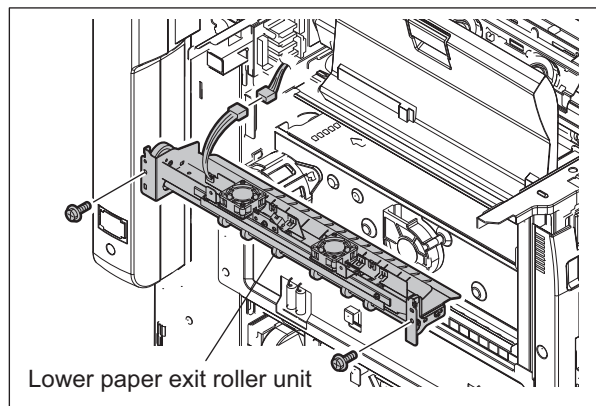


Fig. 4-607

- (4) Remove 2 screw and take off the lower exit section cooling fan-1 [1].
- (5) Remove 1 screw and disconnect the connector. Then take off the sensor bracket [2].
- (6) Take off the lower paper exit sensor [3] from the sensor bracket.

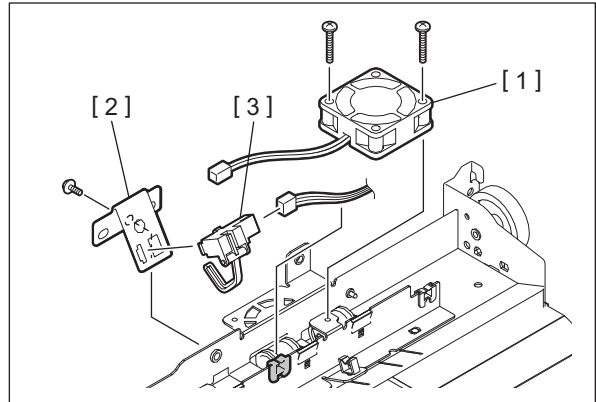



Fig. 4-608

4.10.7 Reverse section stationary jam detection sensor (S60)

- (1) Take off the receiving tray.
 P. 4-3"4.1.8 Receiving tray"
- (2) Remove 2 screws and then take off the sensor bracket.

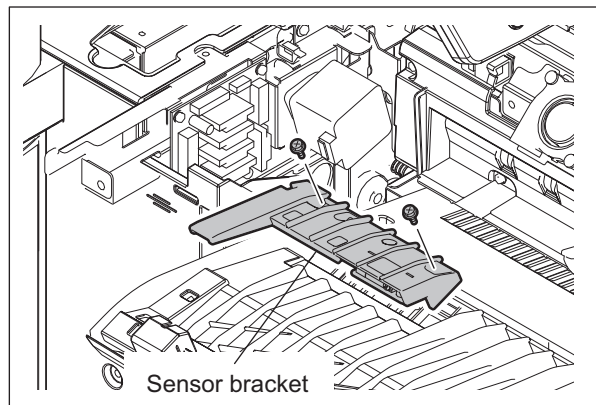


Fig. 4-609

- (3) Release the harness from the 3 hooks [1] and then disconnect the connector.
- (4) Remove 2 screws and take off the reverse section stationary jam detection sensor [2] from the sensor bracket.

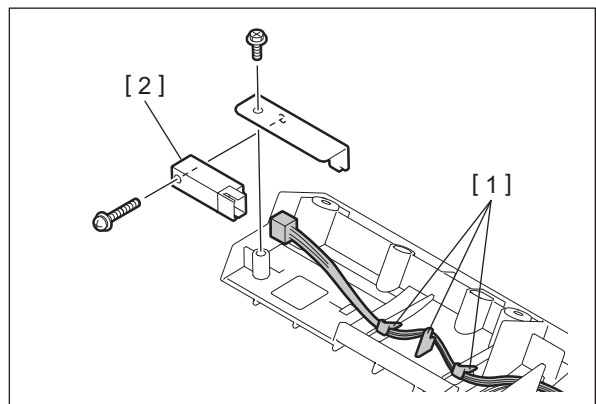


Fig. 4-610

4.10.8 Reverse path cover switch (SW5)

- (1) Take off the receiving tray.
📖 P. 4-3"4.1.8 Receiving tray"
- (2) Remove 2 screws and then take off the sensor bracket.

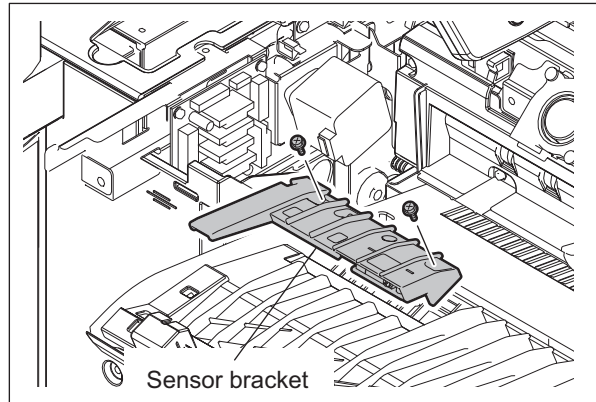


Fig. 4-611

- (3) Remove 2 screws and then take off the sensor bracket and the sensor cover.

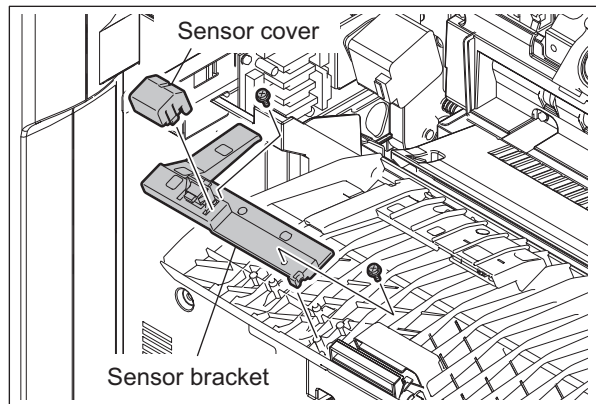


Fig. 4-612

Notes:

When installing the sensor bracket, be careful not to catch the harness with the bracket.

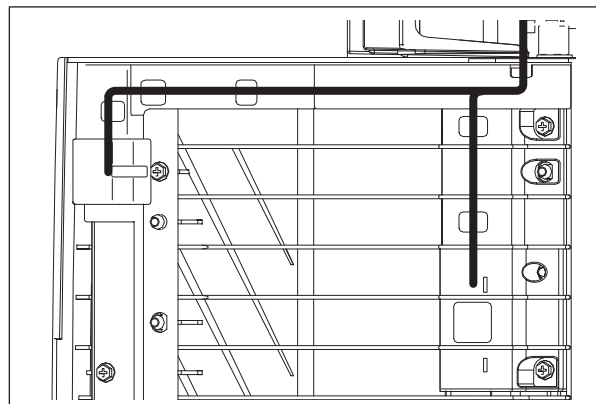


Fig. 4-613

- (4) Release a harness from 3 hooks [1].
- (5) Take off the reverse path cover switch (SW5) [2] from the sensor bracket.
- (6) Disconnect a connector from the reverse path cover switch [2].

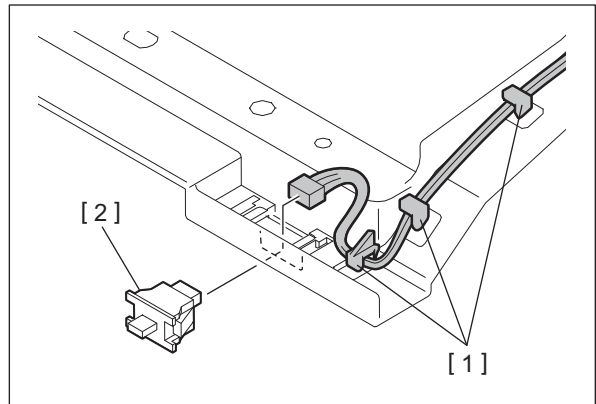


Fig. 4-614

4.10.9 Upper paper exit roller

- (1) Take off the bracket of the upper paper exit roller unit.
 P. 4-208"4.10.5 Upper paper exit sensor (S61) / Upper exit tray paper full detection sensor (S62)"
- (2) Remove the E-ring from the rear side and then remove the gear.

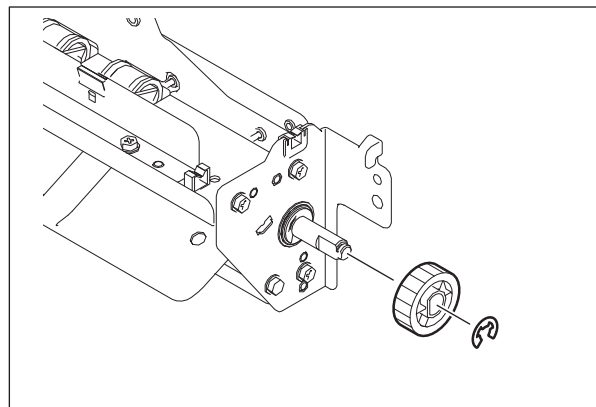


Fig. 4-615

- (3) Remove E-rings from both ends.
- (4) Take off the upper paper exit roller by removing the gear and the bearing.

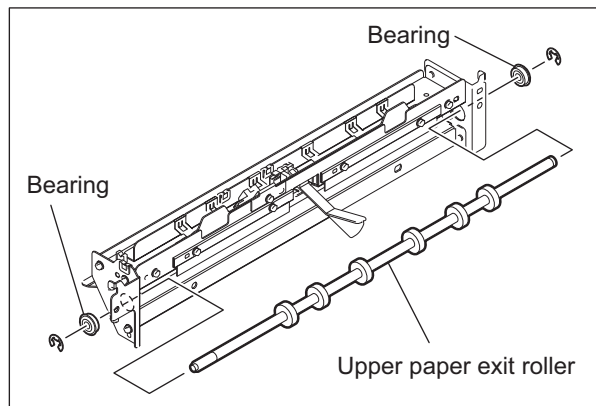


Fig. 4-616

4.10.10 Lower paper exit roller

- (1) Take off the bracket of the lower paper exit roller unit.
P. 4-209"4.10.6 Lower paper exit sensor (S63)"
- (2) Remove the E-rings and take off the gears.

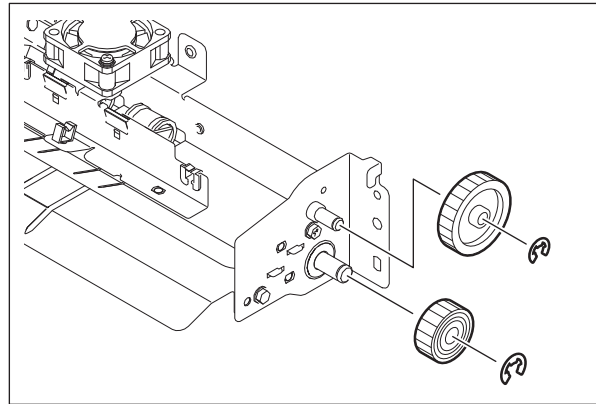


Fig. 4-617

- (3) Take off the lower paper exit roller by removing the E-ring and the bearing.

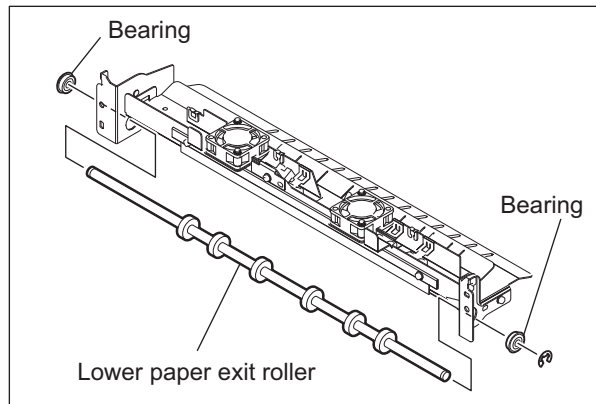


Fig. 4-618

4.10.11 Bridge unit

- (1) Open the front cover and then pull out the bridge unit.
- (2) Remove 4 screws from a rail.

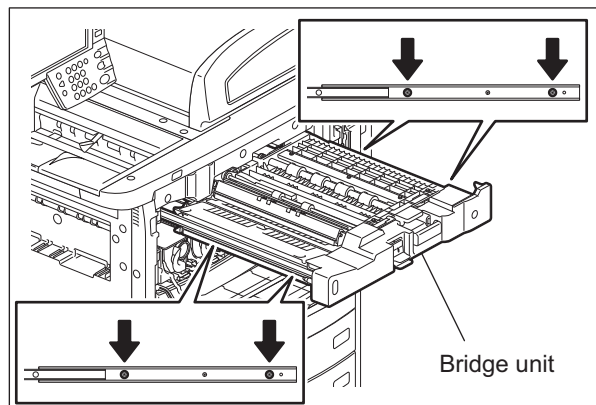


Fig. 4-619

- (3) Take out the bridge unit.

Notes:

When installing the bridge unit, engage the dent of the unit with the 4 bosses of the rail.

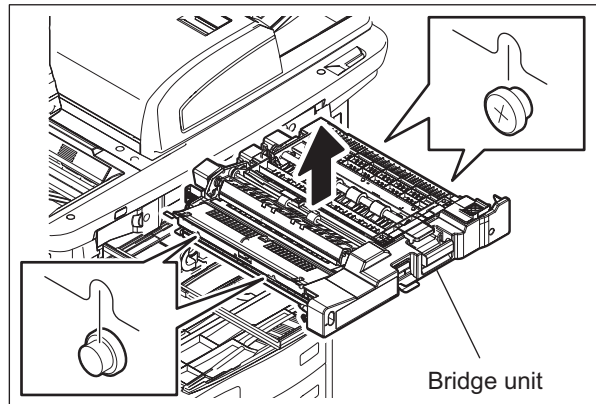


Fig. 4-620

4.10.12 Bridge unit front cover

- (1) Open the front cover and then pull out the bridge unit.
(2) Open the bridge unit lower cover and then remove 3 screws from the bridge unit front cover.

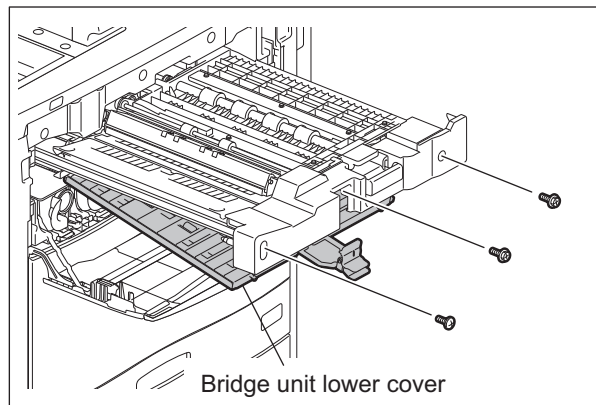


Fig. 4-621

- (3) Open the bridge unit upper cover and then take off the bridge unit front cover while keeping the lever of the bridge unit lowered.

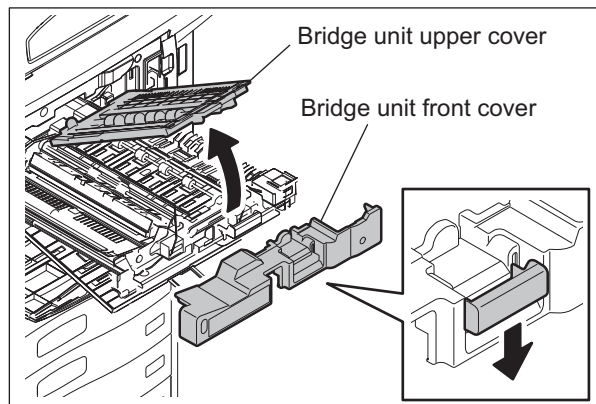


Fig. 4-622

4.10.13 Bridge unit lower cover

- (1) Open the front cover and then pull out the bridge unit.
- (2) Open the bridge unit lower cover. Then remove 1 screw and the wire.

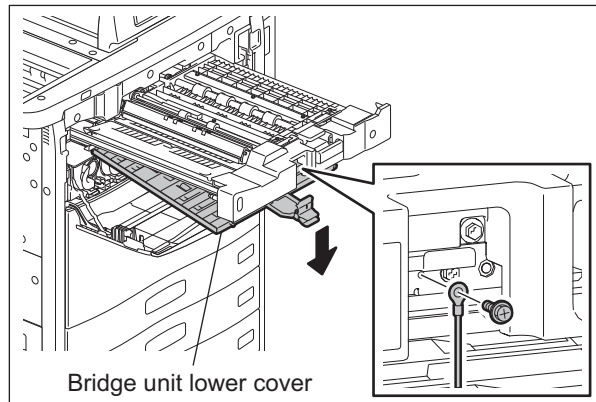


Fig. 4-623

- (3) Remove 1 clip and then take off the bridge unit lower cover by sliding it.

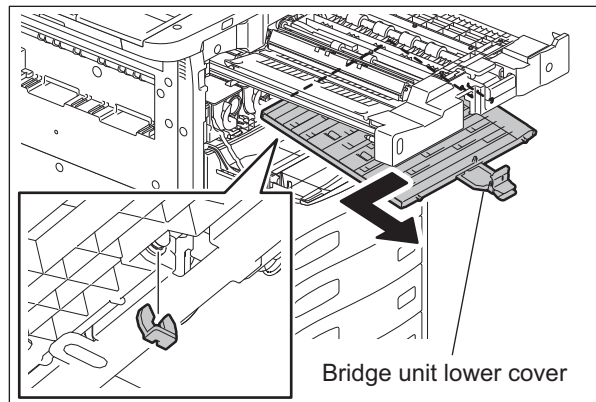


Fig. 4-624

Notes:

The leaf springs with the idling rollers are usually not needed to be disassembled, however, if they are removed and installed, fix the screws while pushing the rollers in the direction of the arrow in the figure to prevent the exit paper side deviation.

After the rollers are installed, check that the rollers are parallel to the installation holes. When pressing the idling rollers, press them in the direction opposite to each other because the 2 leaf springs must be installed in that manner.

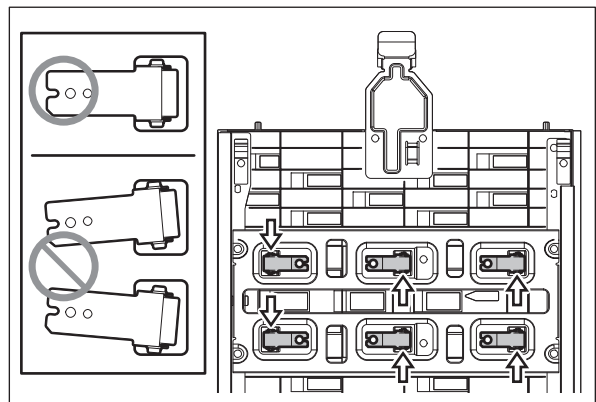


Fig. 4-625

4.10.14 Bridge unit transport entrance motor (M4) / Reverse motor (M3)

- (1) Take off the bridge unit.
📖 P. 4-213"4.10.11 Bridge unit"
- (2) Remove 1 screw and the ground wire. Then release the ground wire from 2 clamps.
- (3) Release the harness from 2 clamps and then disconnect 2 connectors.
- (4) Disconnect the connector from the reverse motor.

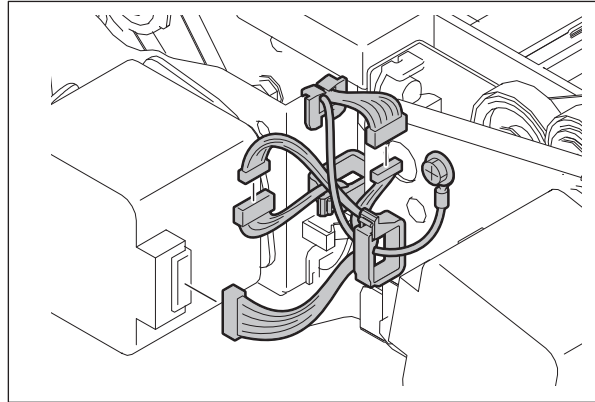


Fig. 4-626

- (5) Remove 3 screws and then take off the motor bracket.

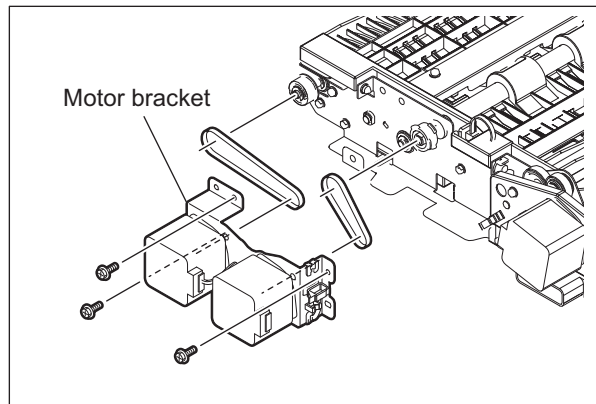


Fig. 4-627

- (6) Release the harness from 3 clamps.

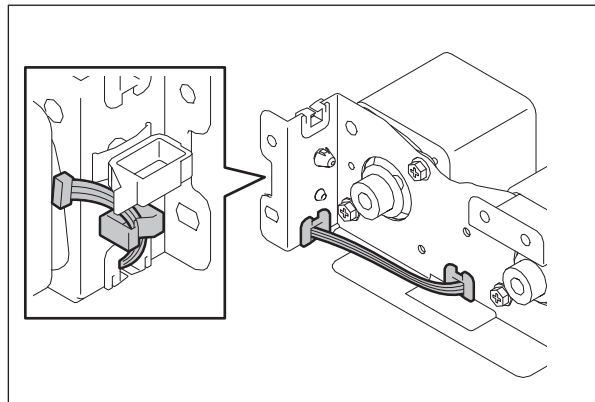


Fig. 4-628

- (7) Take off the bridge unit transport entrance motor by removing 2 screws.
- (8) Disconnect the connector from the bridge unit transport entrance motor.

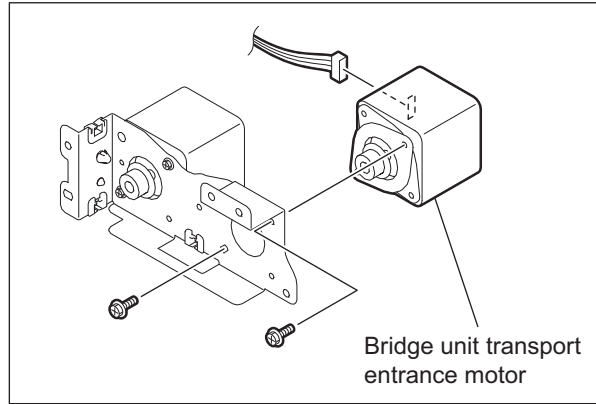


Fig. 4-629

- (9) Take off the reverse motor by removing 2 screws.

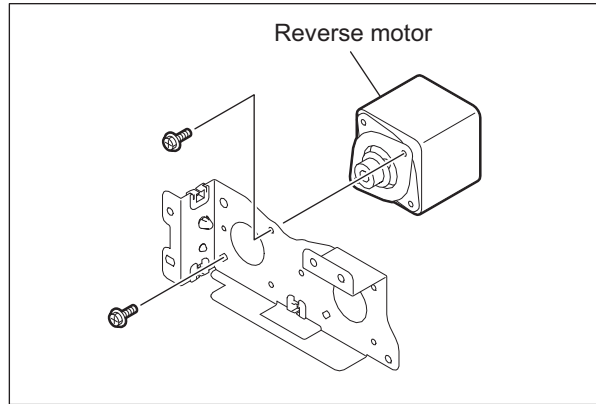


Fig. 4-630

4.10.15 Bridge unit transport exit motor (M5)

- (1) Take off the bridge unit.
 P. 4-213 "4.10.11 Bridge unit"
- (2) Release the harness from 2 clamps and then disconnect 2 connectors.
 P. 4-216 "4.10.14 Bridge unit transport entrance motor (M4) / Reverse motor (M3)"
- (3) Disconnect 1 connector.

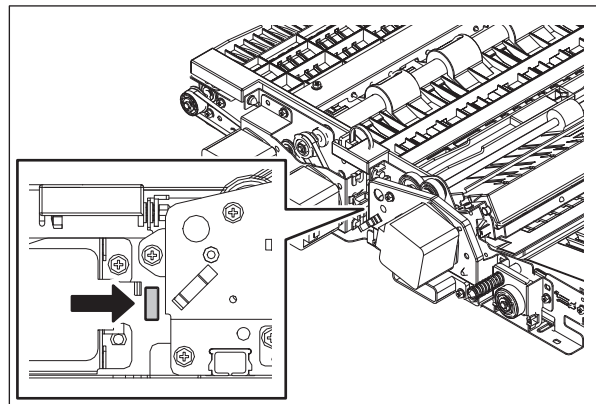


Fig. 4-631

- (4) Disconnect 2 connectors and then release the harness from 2 clamps.

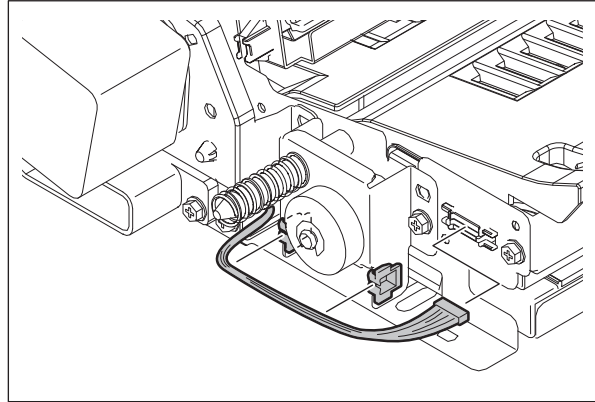


Fig. 4-632

- (5) Remove 4 screws and then take off the motor bracket.
(6) Disconnect 1 connector.

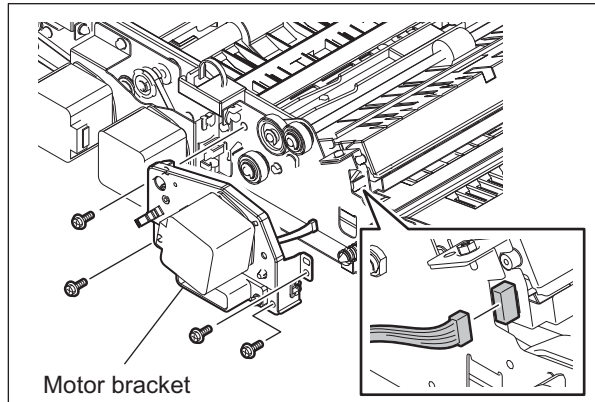


Fig. 4-633

- (7) Remove 2 screws and then take off the bridge unit transport exit motor, gear and belt

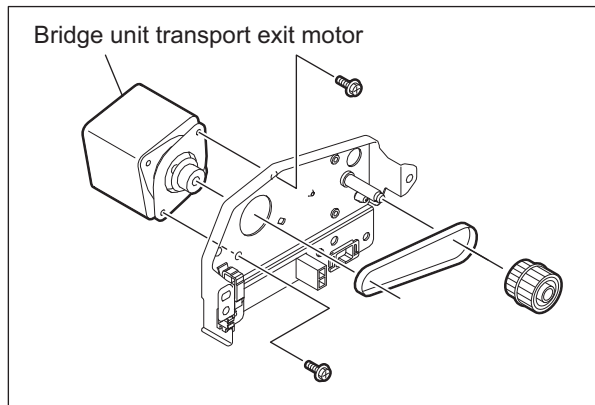


Fig. 4-634

4.10.16 Bridge unit upper cover

- (1) Take off the bridge unit.
📖 P. 4-213 "4.10.11 Bridge unit"
- (2) Remove 1 screw and the ground wire.
- (3) Disconnect the relay connector and then release the harness and the ground wire from 2 clamps.

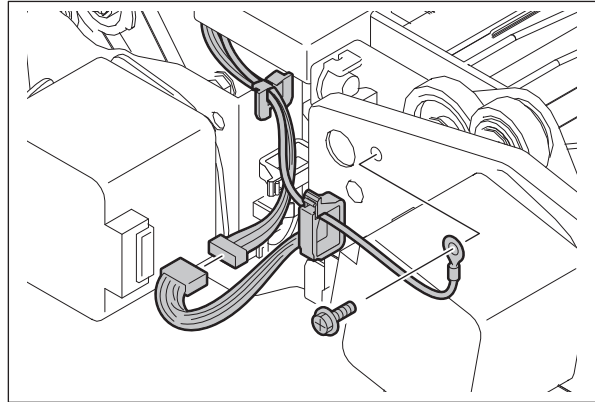


Fig. 4-635

- (4) Remove 1 screw and then release the stopper.

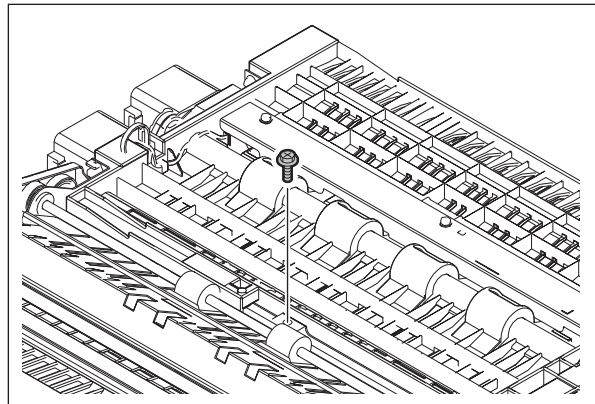


Fig. 4-636

- (5) Remove the clip and then take off the bridge unit upper cover by sliding it.

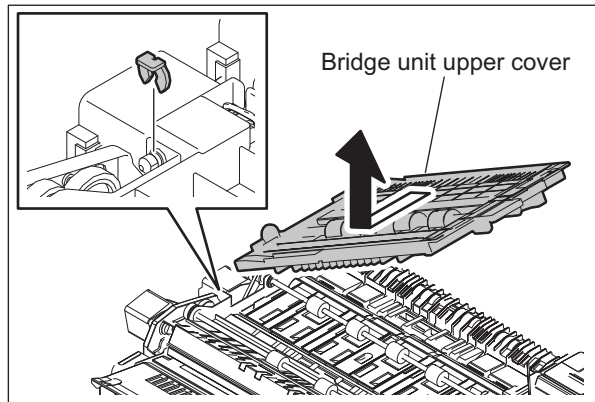


Fig. 4-637

4.10.17 Bridge unit transport roller-1

- (1) Take off the bridge unit.
📖 P. 4-213"4.10.11 Bridge unit"
- (2) Take off the bridge unit front cover.
📖 P. 4-214"4.10.12 Bridge unit front cover"
- (3) Take off the bridge unit upper cover.
📖 P. 4-219"4.10.16 Bridge unit upper cover"
- (4) Remove 3 screws and take off the duct.

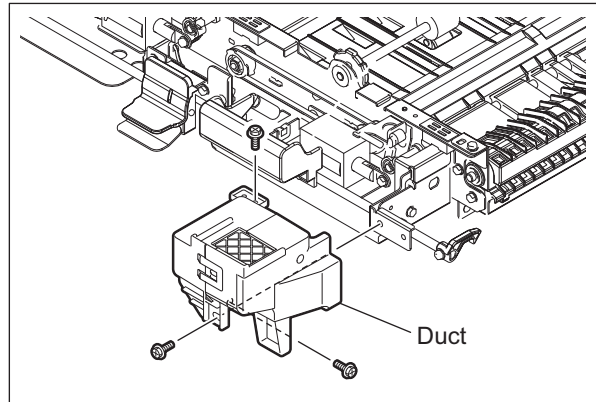


Fig. 4-638

- (5) Remove 2 screws and take off the roller bracket.

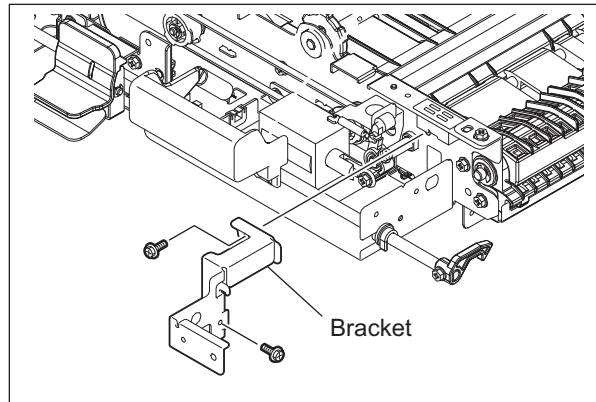


Fig. 4-639

- (6) Take off the belt from the bridge unit transport entrance motor.

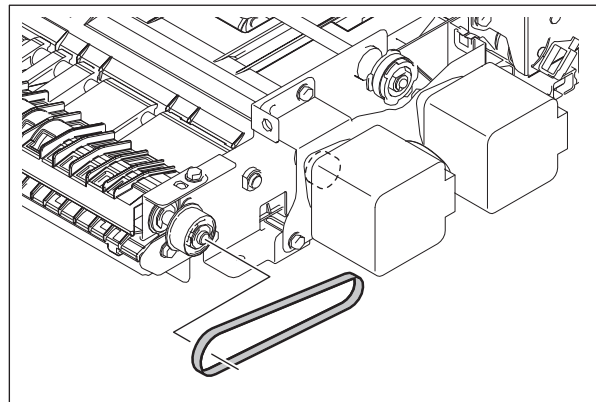


Fig. 4-640

- (7) Remove 4 screws and then take off the transport guide-1 unit.
- (8) Remove 1 screw and then take off transport guide-1 [1] by sliding it toward you.

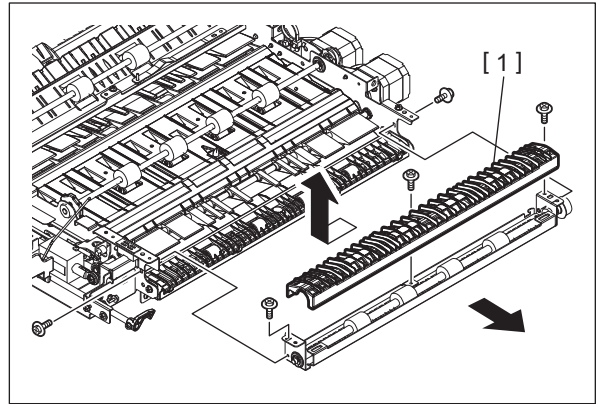


Fig. 4-641

- (9) Remove the E-ring on the rear side and then remove the gear and the clip.

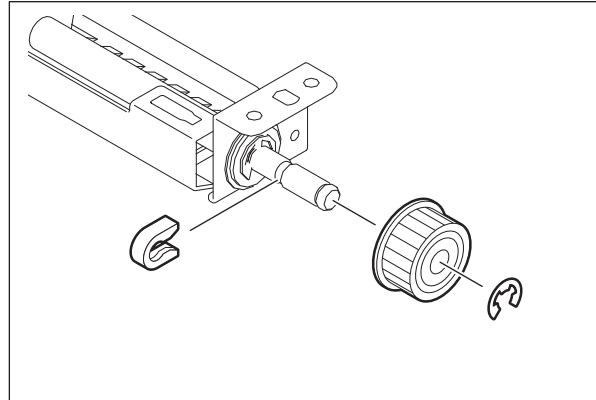


Fig. 4-642

- (10) Remove 2 E-rings and then remove the bearing. Then take off bridge unit transport roller-1.

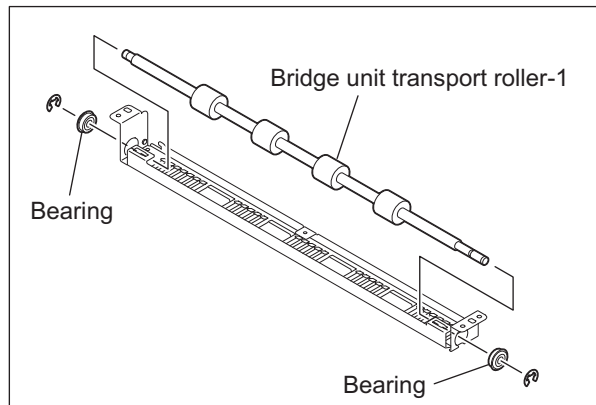


Fig. 4-643

4.10.18 Bridge unit transport roller-2

- (1) Take off the reverse roller.
📖 P. 4-225"4.10.20 Reverse roller"
- (2) Take off transport path switching solenoid-1.
📖 P. 4-227"4.10.23 Transport path switching solenoid-1 (SOL1)"
- (3) Take off transport guide-2 by removing 5 screws.

Notes:

The type of the screw differs depending on the installation position.

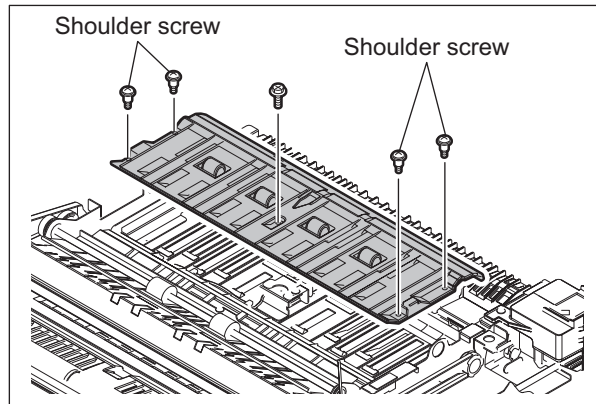


Fig. 4-644

Notes:

The leaf springs with the idling rollers are usually not needed to be disassembled, however, if they are removed and installed, fix the screws while pushing the rollers in the direction of the arrow in the figure to prevent the exit paper side deviation.

After the rollers are installed, check that the rollers are parallel to the installation holes.

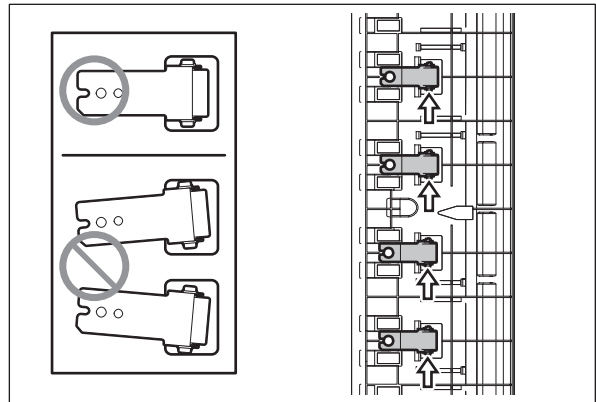


Fig. 4-645

- (4) Remove 1 E-ring, the gear and the belt.

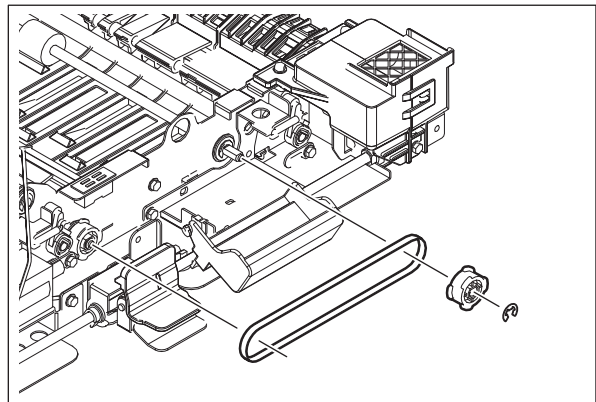


Fig. 4-646

- (5) Take off the bridge unit transport roller-2 by removing 2 E-rings and a bearing.

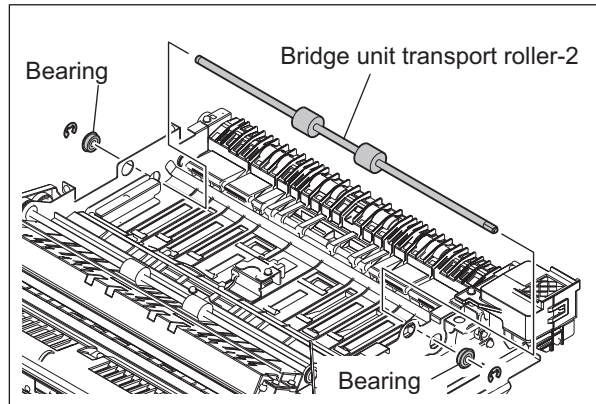


Fig. 4-647

4.10.19 Bridge unit transport roller-3

- (1) Take off the reverse roller.
 P. 4-225"4.10.20 Reverse roller"
- (2) Take off transport guide-2.
 P. 4-229"4.10.25 Bridge unit path entrance sensor (S55)"
- (3) Take off bridge unit exit roller-1.
 P. 4-225"4.10.21 Bridge unit exit roller-1"
- (4) Take off the transport guide unit by removing 2 screws and disconnecting the connector.

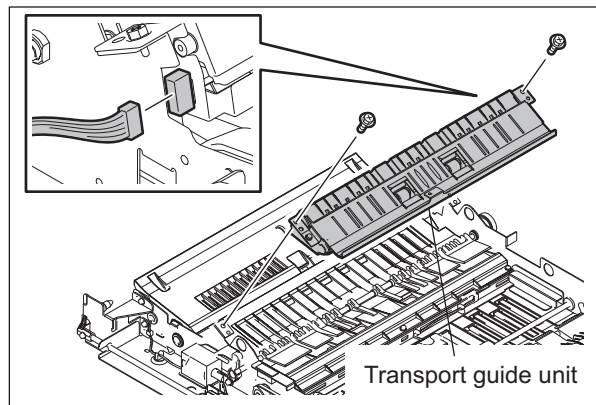


Fig. 4-648

- (5) Remove the spring and 2 screws. Then remove the actuator.

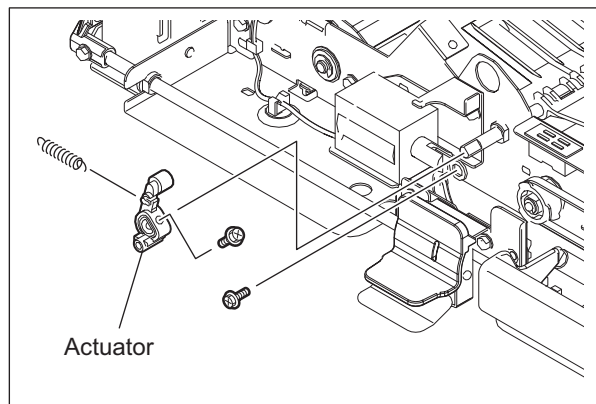


Fig. 4-649

- (6) Remove 2 E-rings and the bushing to remove the flap.

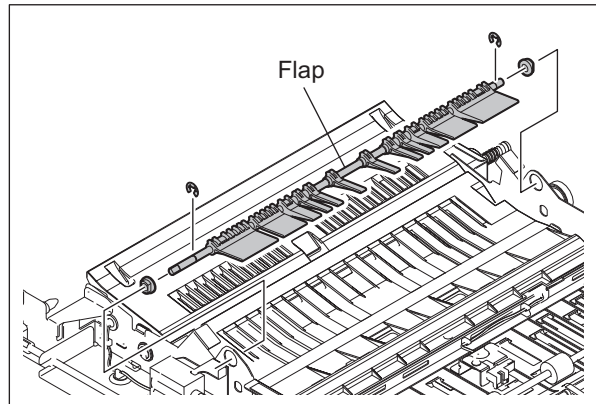


Fig. 4-650

- (7) Remove the E-ring from the front side and then take off the pulley and the belt.

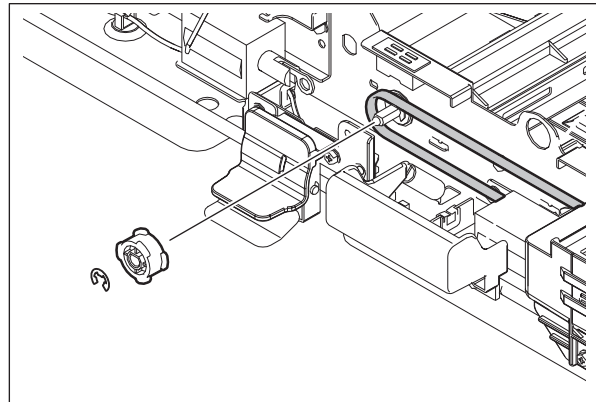


Fig. 4-651

- (8) Take off bridge unit transport guide-3 by removing 5 screws.

Notes:

The type of the screw differs depending on the installation position.

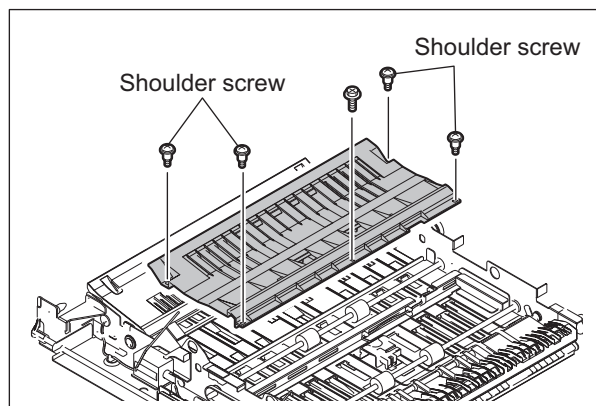


Fig. 4-652

- (9) Remove 1 gear, 2 E-rings and 2 bearings. Then take off bridge unit transport roller-3.

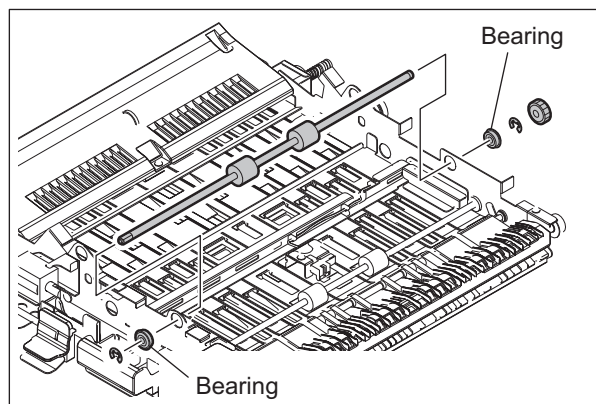


Fig. 4-653

4.10.20 Reverse roller

- (1) Take off the bridge unit.
📖 P. 4-213"4.10.11 Bridge unit"
- (2) Take off the bridge unit front cover.
📖 P. 4-214"4.10.12 Bridge unit front cover"
- (3) Take off the bridge unit upper cover.
📖 P. 4-219"4.10.16 Bridge unit upper cover"
- (4) Take off each bracket of the bridge unit transport entrance motor and the reverse motor.
📖 P. 4-216"4.10.14 Bridge unit transport entrance motor (M4) / Reverse motor (M3)"
- (5) Remove 1 E-ring and the pulley.
- (6) Remove 1 E-ring and move the bearing to the inside.
- (7) Take off the reverse roller and the bearing [1].
- (8) Remove 1 E-ring and then remove the knob [2] and pin [3] from the reverse roller.

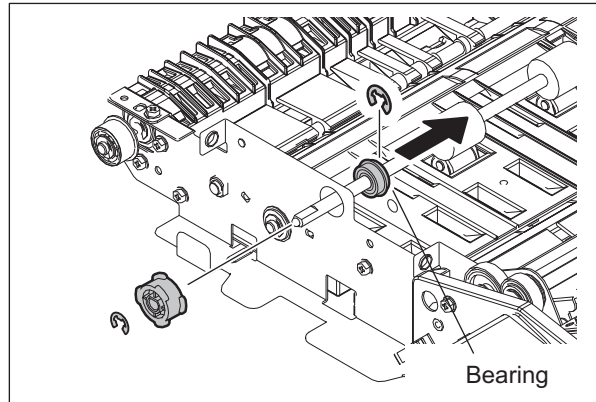


Fig. 4-654

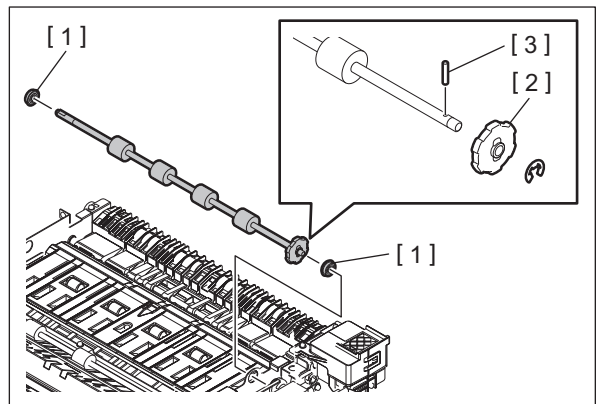


Fig. 4-655

4.10.21 Bridge unit exit roller-1

- (1) Take off the bridge unit.
📖 P. 4-213"4.10.11 Bridge unit"
- (2) Take off the bridge unit front cover.
📖 P. 4-214"4.10.12 Bridge unit front cover"
- (3) Take off the bridge unit upper cover.
📖 P. 4-219"4.10.16 Bridge unit upper cover"
- (4) Take off the motor bracket of the bridge unit transport exit motor.
📖 P. 4-217"4.10.15 Bridge unit transport exit motor (M5)"
- (5) Remove 1 E-ring and then remove the gear and the bearing.

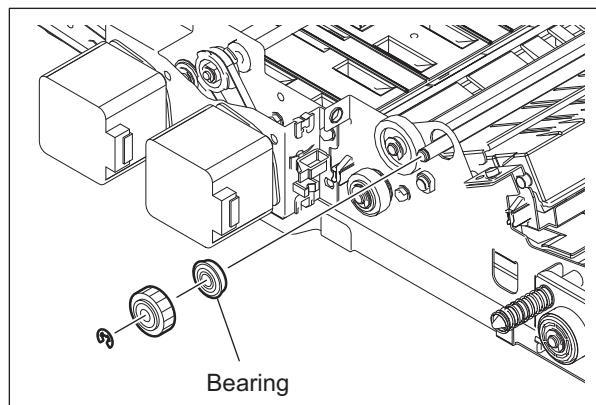


Fig. 4-656

- (6) Remove 1 E-ring and the bearing. Then take off bridge unit exit roller-1.

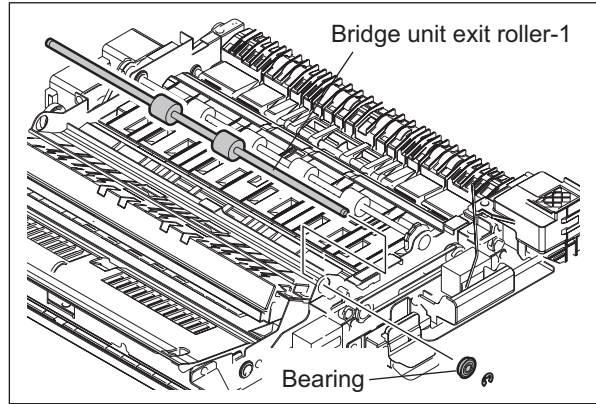


Fig. 4-657

4.10.22 Bridge unit exit roller-2

- (1) Take off the bridge unit.
P. 4-213"4.10.11 Bridge unit"
- (2) Take off the bridge unit front cover.
P. 4-214"4.10.12 Bridge unit front cover"
- (3) Remove 1 screw and take off transport guide-4 by sliding it toward you.

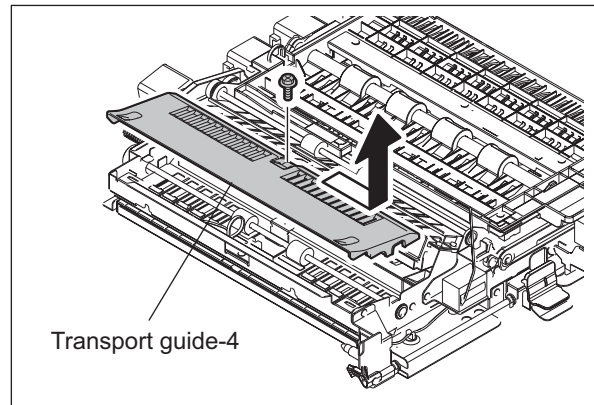


Fig. 4-658

- (4) Remove 2 E-rings, 1 gear and 2 bearings. Then take off bridge unit exit roller-2.

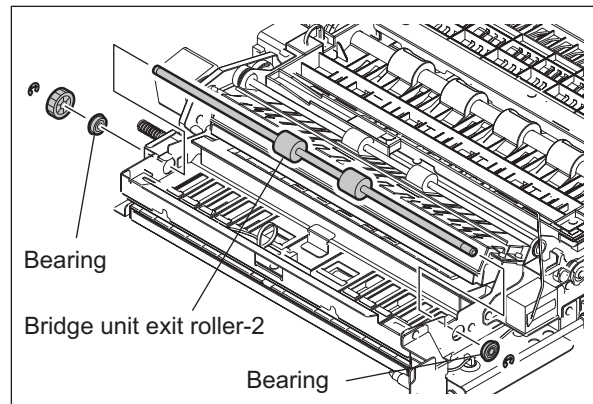


Fig. 4-659

4.10.23 Transport path switching solenoid-1 (SOL1)

- (1) Take off the bridge unit front cover.
P. 4-214"4.10.12 Bridge unit front cover"
- (2) Remove 1 spring.

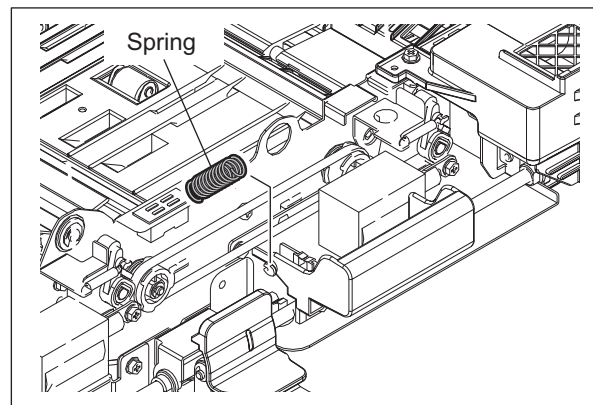


Fig. 4-660

- (3) Release the harness from the clamp and then disconnect the connector.
- (4) Remove 1 screw and 1 link.

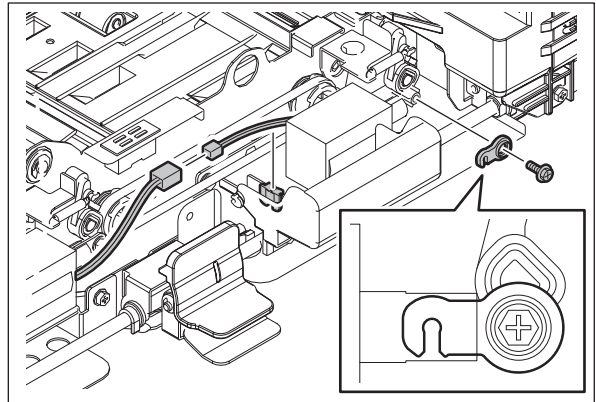


Fig. 4-661

- (5) Take off the transport path switching solenoid-1 by removing 2 screws.

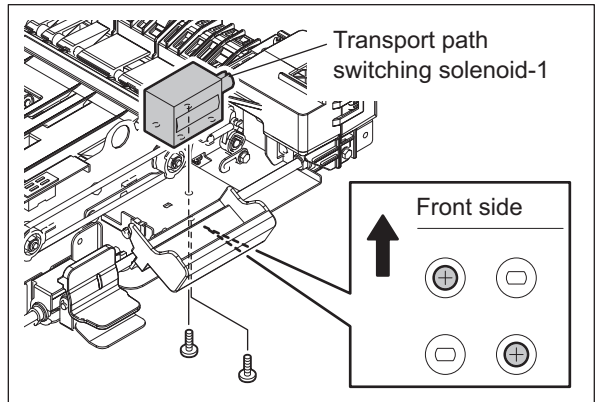


Fig. 4-662

4.10.24 Transport path switching solenoid-2 (SOL2)

- (1) Take off the bridge unit front cover.
 P. 4-214 "4.10.12 Bridge unit front cover"
- (2) Release the harness from the clamp and then disconnect the connector.
- (3) Remove 1 screw and 1 link.

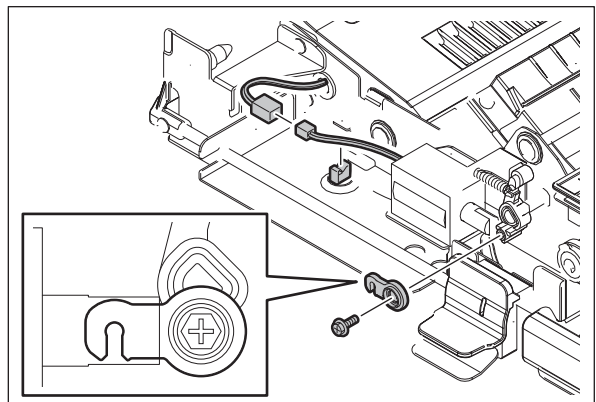


Fig. 4-663

- (4) Take off transport path switching solenoid-2 by removing 2 screws.

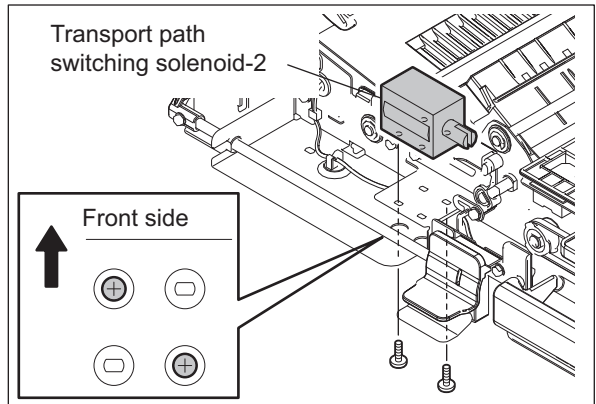


Fig. 4-664

4.10.25 Bridge unit path entrance sensor (S55)

- (1) Take off the reverse roller.
 P. 4-225"4.10.20 Reverse roller"
- (2) Take off transport guide-2 by removing 5 screws.

Notes:

The type of the screw differs depending on the installation position.

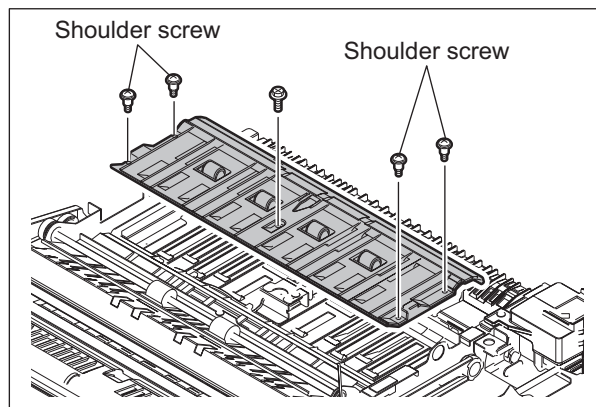


Fig. 4-665

- (3) Remove 1 screw and then take off the sensor bracket.
- (4) Release the harness from 2 clamps and then disconnect the connector.

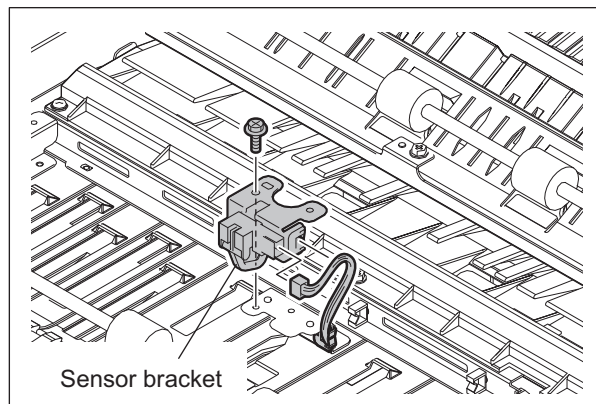


Fig. 4-666

- (5) Take off the bridge unit path entrance sensor from the sensor bracket.

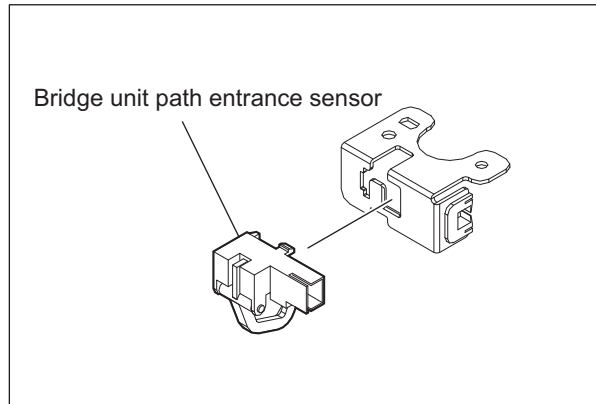


Fig. 4-667

4.10.26 Bridge unit path exit sensor (S56)

- (1) Open the front cover and then pull out the bridge unit.
(2) Remove 1 screw and then take off transport guide-4 by sliding it.

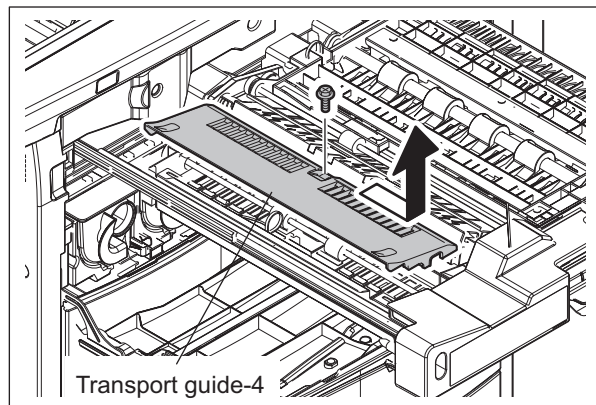


Fig. 4-668

- (3) Release the harness from 2 clamps and then disconnect the connector.
(4) Take off the sensor bracket by removing 1 screw.

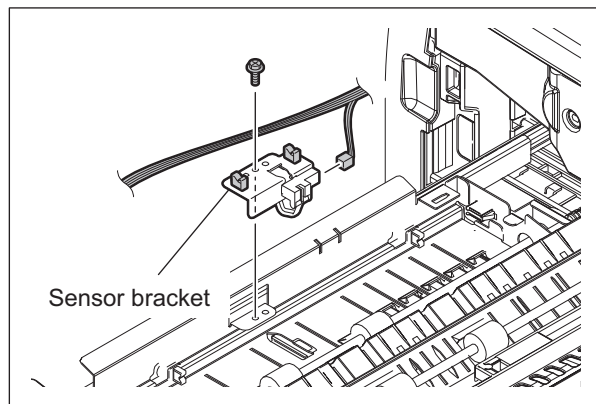


Fig. 4-669

- (5) Take off the bridge unit path exit sensor from the sensor bracket.

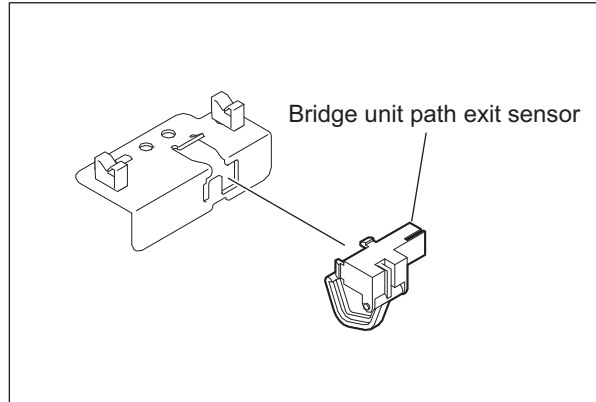


Fig. 4-670

4.10.27 Reverse sensor (S59)

- (1) Open the front cover and then pull out the bridge unit.
- (2) Remove 3 screws and then remove the sensor stay.

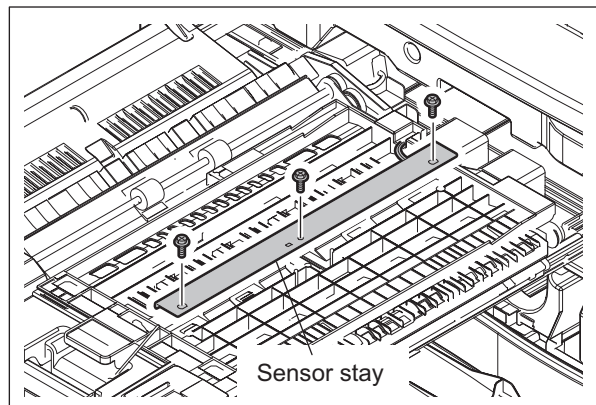


Fig. 4-671

- (3) Remove 1 screw and disconnect 1 connector. Then take off the reverse sensor.

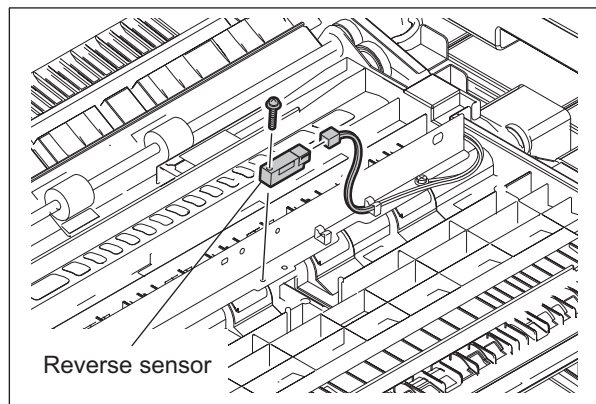



Fig. 4-672

4.10.28 Reverse section stationary jam detection sensor (S58)

- (1) Take off bridge unit exit roller-1.
 P. 4-225"4.10.21 Bridge unit exit roller-1"
- (2) Disconnect 1 connector and remove 2 screws. Then take off the transport guide unit.

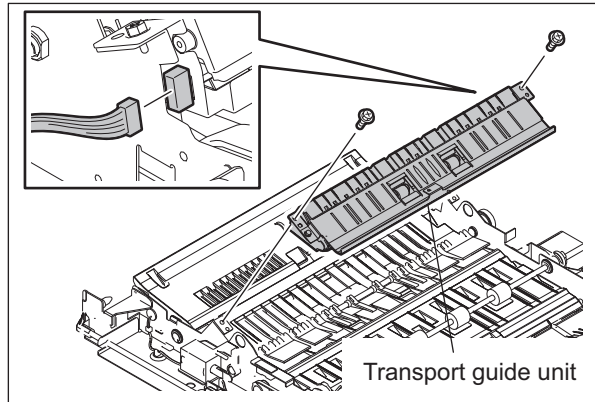


Fig. 4-673

- (3) Remove 2 screws and then take off the roller guide.

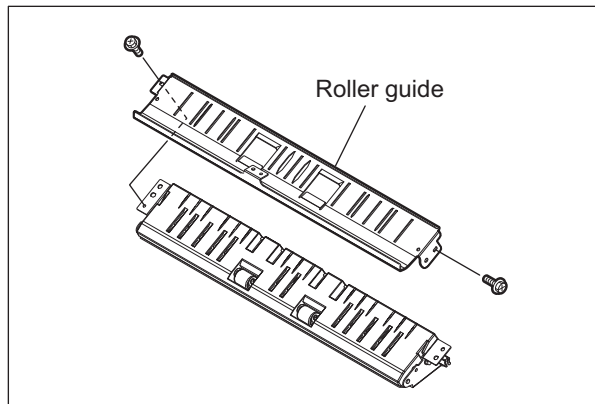


Fig. 4-674

- (4) Take off the bridge unit exit guide by removing 2 screws.

Notes:

The type of the screw differs depending on the installation position.

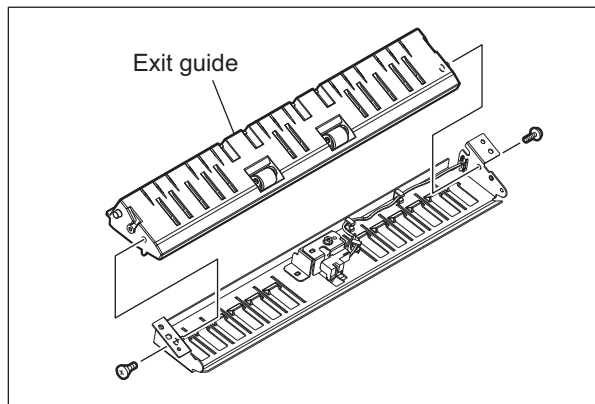


Fig. 4-675

- (5) Remove 1 screw and then take off the sensor bracket.
- (6) Release the harness from the clamp and then disconnect the connector.

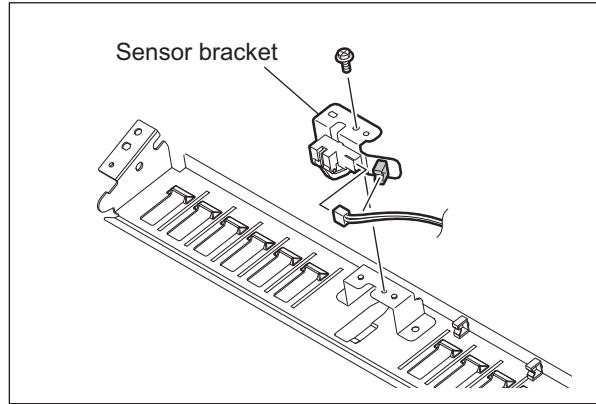


Fig. 4-676

- (7) Take off the reverse section stationary jam detection sensor from the sensor bracket.

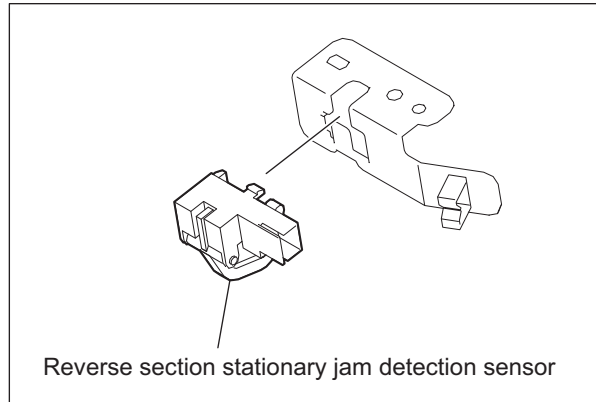


Fig. 4-677

4.10.29 Exit paper cooling fan (front) (F5)

- (1) Take off the top front cover.
P. 4-2"4.1.5 Top front cover"
- (2) Pull out the bridge unit.
- (3) Remove 2 screws and then take off the inner cover.

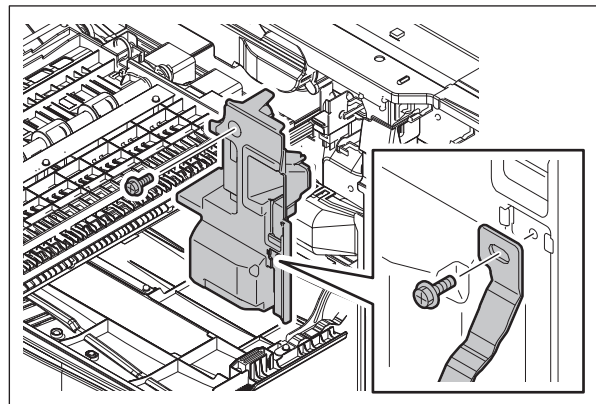


Fig. 4-678

- (4) Remove 4 screws and then take off the fan cover.

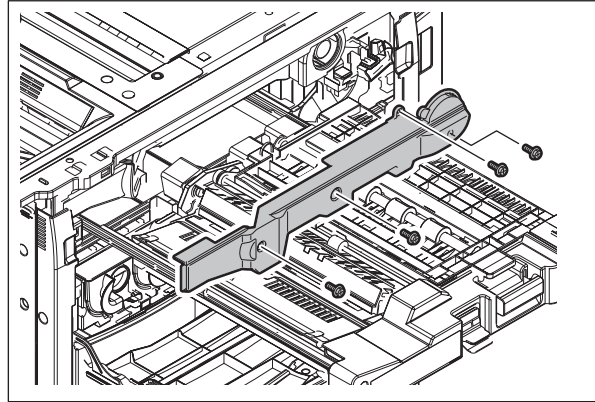


Fig. 4-679

- (5) Remove 1 screw and then take off the duct.
(6) Release the harness from the clamp and then disconnect the connector.

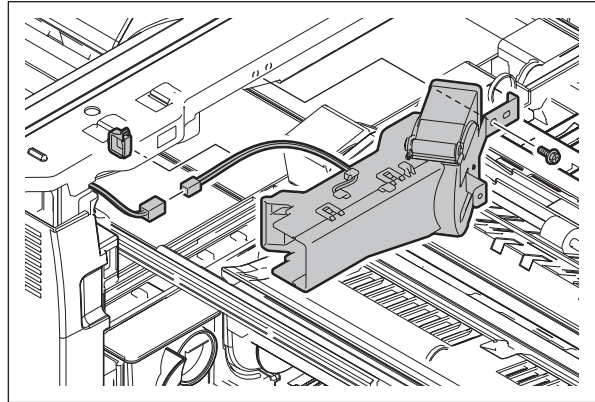


Fig. 4-680

- (7) Remove 2 screws and then take off the bracket.
(8) Release the latch, open the duct and take off the exit paper cooling fan (front).

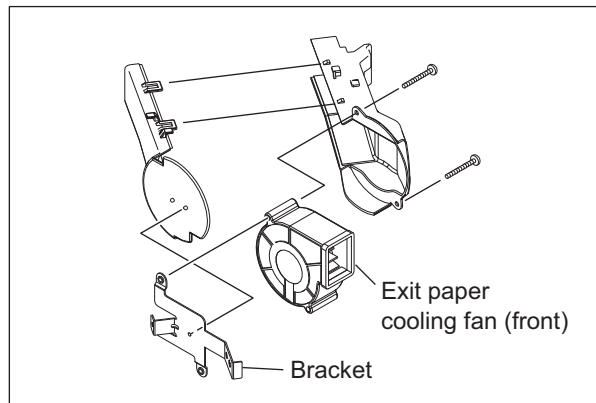



Fig. 4-681

4.10.30 Bridge unit cooling fan (front) (F6)

- (1) Take off the top front cover.
 P. 4-2"4.1.5 Top front cover"
- (2) Pull out the bridge unit.
- (3) Remove 2 screws and then take off the inner cover.

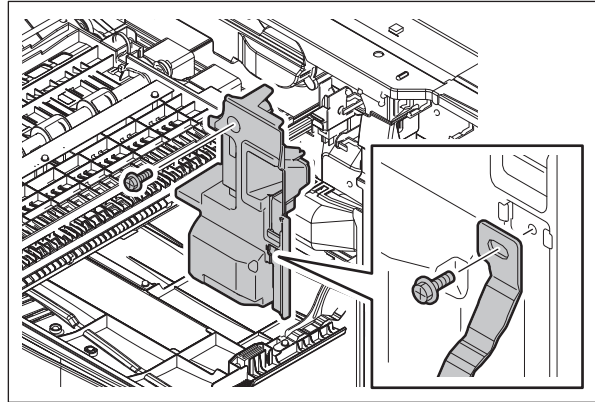


Fig. 4-682

- (4) Remove 4 screws and then take off the fan cover.

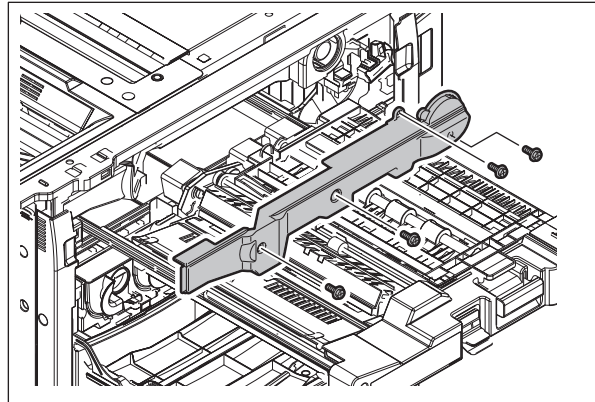


Fig. 4-683

- (5) Release the harness from the clamp and then disconnect the connector.
- (6) Remove 2 screws and then take off the bridge unit cooling fan (front).

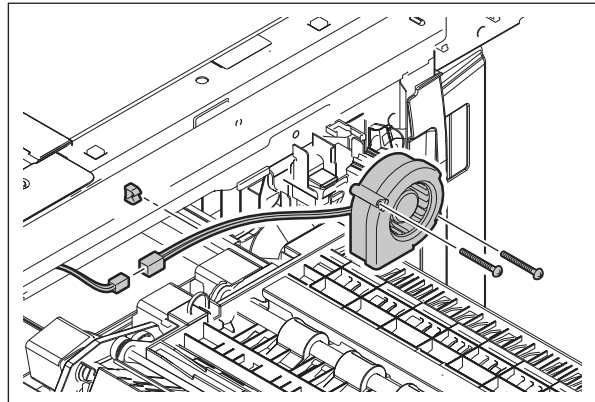


Fig. 4-684

4.10.31 Bridge unit cooling fan (rear) (F7)

- (1) Take off the upper fans (left) and (right).
📖 P. 4-23"4.3.9 Upper exhaust fan (left) (F29)"
📖 P. 4-25"4.3.10 Upper exhaust fan (right) (F30)"
- (2) Remove 2 screws and then take off the bracket.

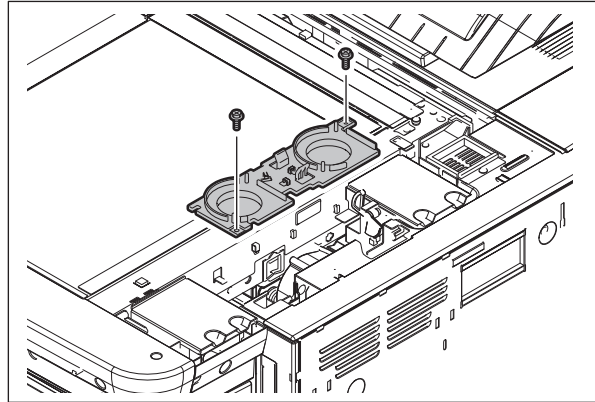


Fig. 4-685

- (3) Release the harness from the clamp and then disconnect the connector.

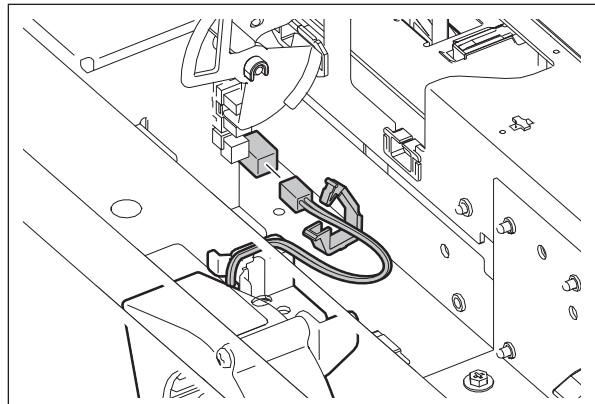


Fig. 4-686

- (4) Remove 1 screw and then take off the bridge unit cooling fan (rear) by sliding it.

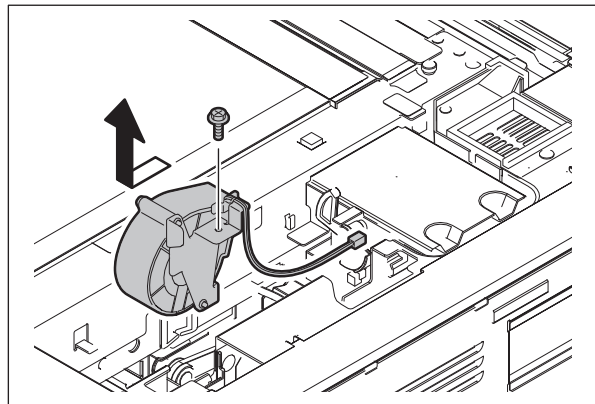


Fig. 4-687

- (5) Cut the harness band to release it from the clamp.
- (6) Remove 2 screws and take off the bridge unit cooling fan (rear) from the bracket.

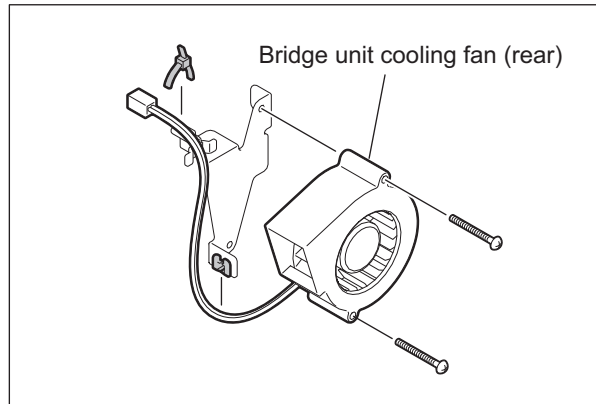


Fig. 4-688

4.10.32 Front cover opening/closing detection switch (SW9) / Bridge unit connecting detection switch (SW8)

Notes:

When the front cover opening/closing detection switch (SW9) is replaced or removed, be sure to perform the operation check with the output check (test mode 03). If the installation is insufficient, this switch is not performing properly. In this case, you may touch the rotating portions such as the gear in the toner motor during the drive and could be injured as a result.

- (1) Take off the switch brackets.
 📖 P. 4-135"4.6.52 Toner motor interlock switch (SW3)"
- (2) Disconnect a connector and then take off the front cover opening/closing detection switch from its bracket.

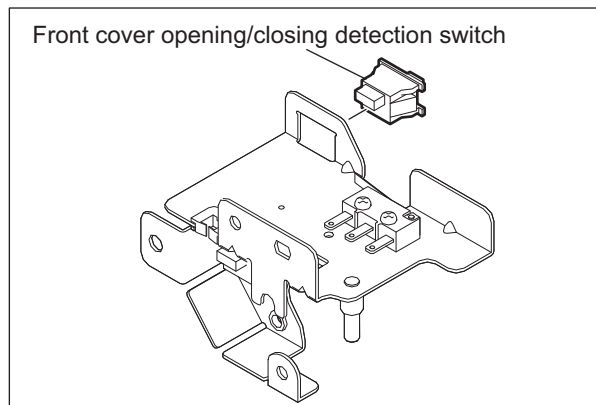


Fig. 4-689

- (3) Take off the bridge unit connecting detection switch from its bracket.

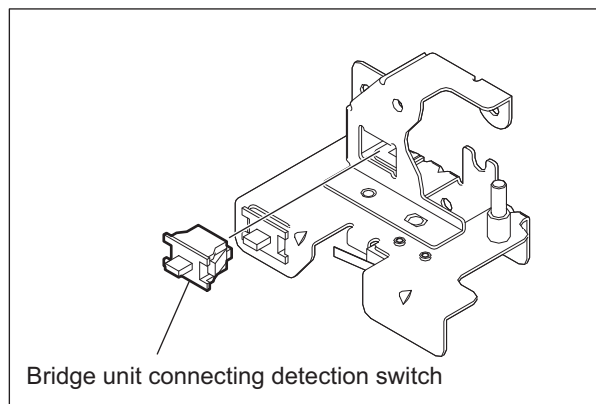




Fig. 4-690

4.10.33 Duplexing bridge unit

- (1) Take off the right top cover.
 P. 4-2"4.1.4 Right top cover"
- (2) Take off the fuser unit.
 P. 4-172"4.9.1 Fuser unit"
- (3) Remove 1 screw and take off the cover.

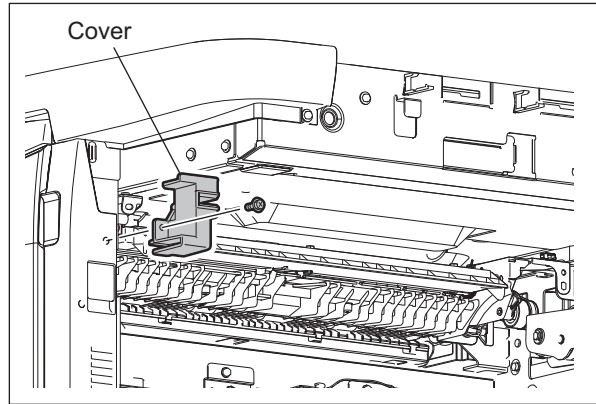


Fig. 4-691

- (4) Remove 2 screws and disconnect 1 connector. Then take off the duplexing bridge unit.

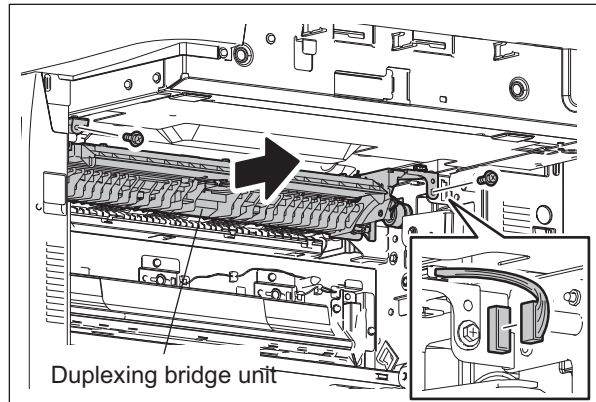



Fig. 4-692

4.10.34 Duplexing unit opening/closing detection sensor (S64)

- (1) Take off the duplexing bridge unit.
 P. 4-238"4.10.33 Duplexing bridge unit"
- (2) Remove 2 E-rings, 2 pulleys and 1 belt.

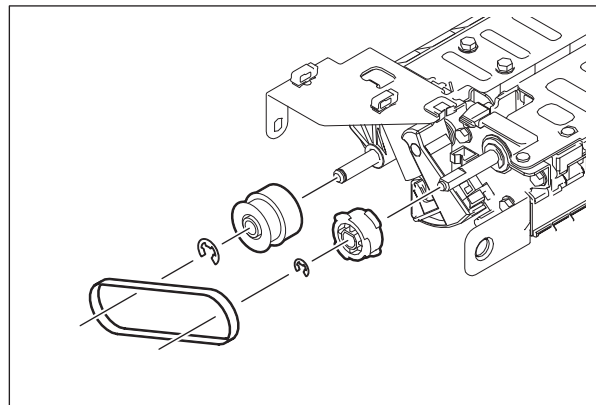


Fig. 4-693

- (3) Take off the duplexing unit opening/closing detection sensor from its frame.
- (4) Disconnect a connector from the duplexing unit opening/closing detection sensor [1].

Notes:

When installing the sensor, be careful not to bend the latches of the sensor.

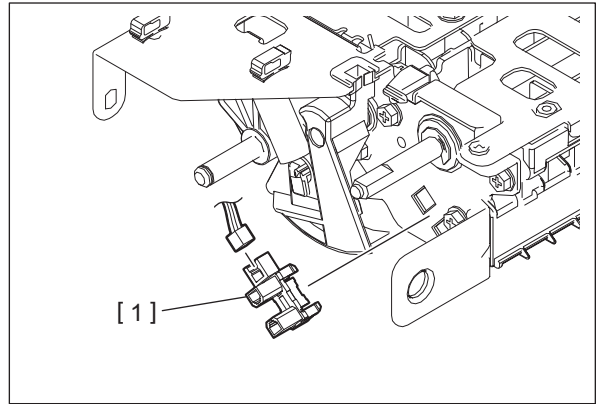


Fig. 4-694

4.10.35 Reverse path sensor (S57)

- (1) Take off the duplexing bridge unit.
 P. 4-238 "4.10.33 Duplexing bridge unit"
- (2) Remove 1 screw and then take off the sensor bracket.
- (3) Release a harness from a clamp and then disconnect a connector from the sensor bracket.

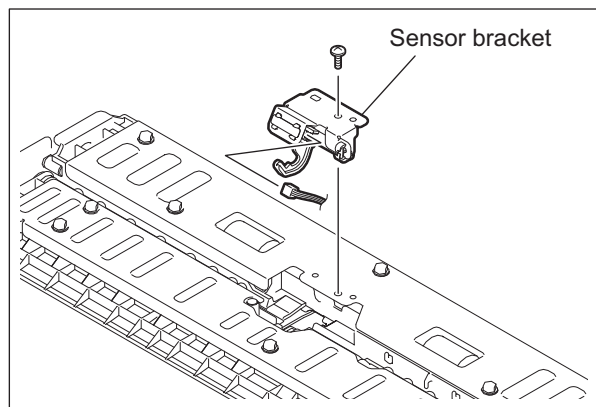


Fig. 4-695

- (4) Remove 1 E-ring and a pin. Then remove the sensor actuator.

Notes:

When installing the sensor, hook the spring securely and make sure that the actuator returned to its original position by the spring force.

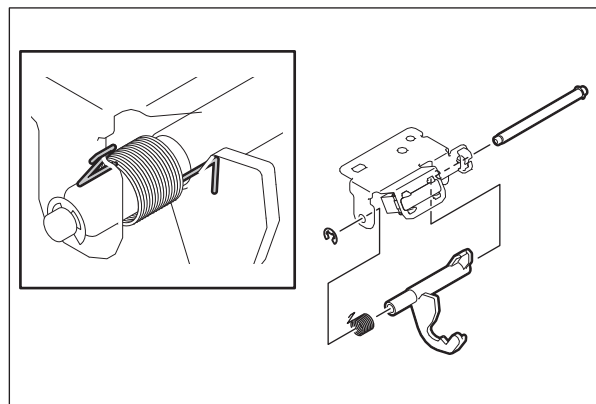


Fig. 4-696

- (5) Take off the reverse path sensor by removing 1 film.

Notes:

When installing the sensor, be careful not to bend the latches of the sensor.

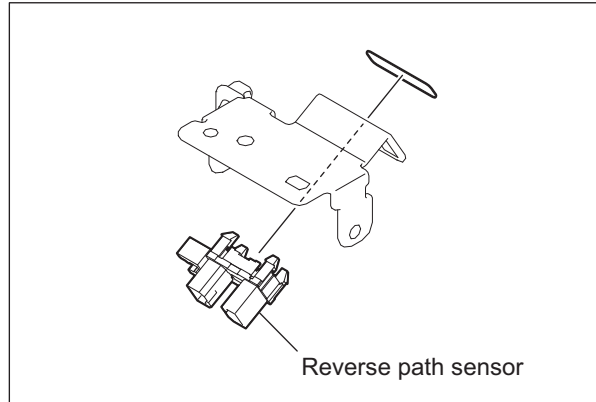


Fig. 4-697

4.10.36 Duplexing bridge unit transport roller

- (1) Take off the duplexing bridge unit.
 P. 4-238"4.10.33 Duplexing bridge unit"
- (2) Take off the 2 pulleys and the belt.
 P. 4-238"4.10.34 Duplexing unit opening/closing detection sensor (S64)"
- (3) Take off the reverse path sensor.
 P. 4-239"4.10.35 Reverse path sensor (S57)"
- (4) Remove 5 screws and then take off the duplexing bridge unit upper plate.

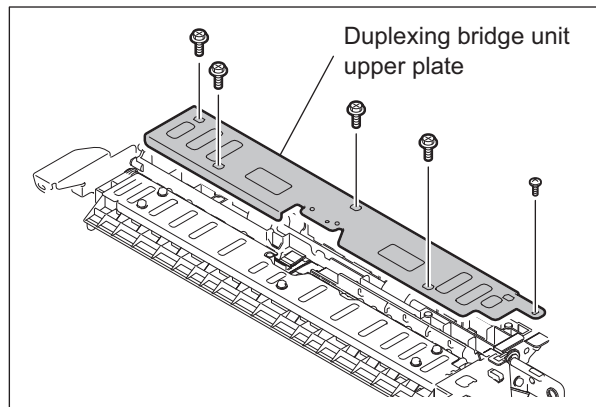


Fig. 4-698

- (5) Remove 2 E-rings, 1 bushing and 1 bearing. Then take off the duplexing bridge transport roller.

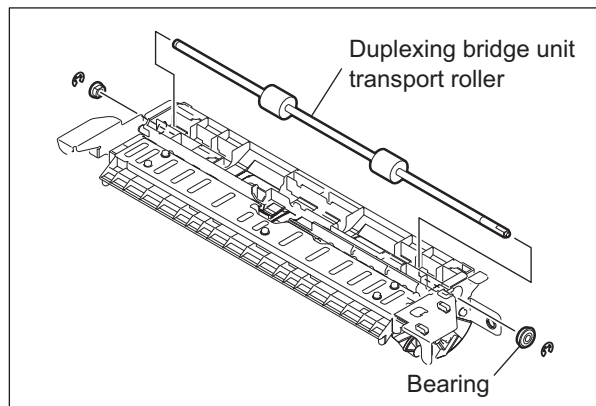


Fig. 4-699

4.10.37 Duplexing unit upper cover

- (1) Pull out the duplexing unit and then open the duplexing unit cover.

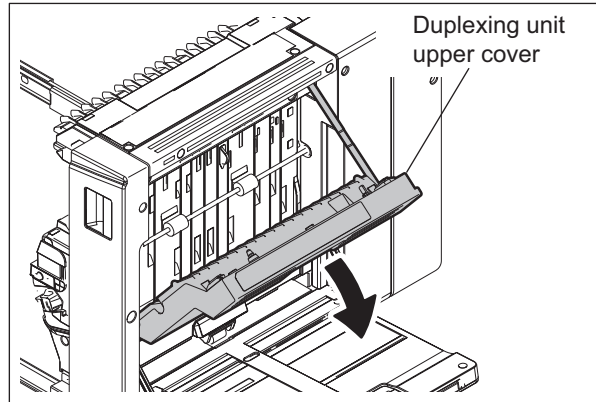


Fig. 4-700

- (2) Remove 2 screws and release 4 hooks. Then take off the duplexing unit upper side cover.

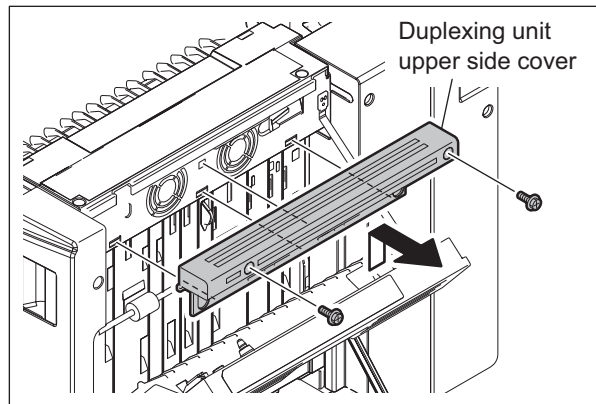


Fig. 4-701

- (3) Remove 2 screws and then take off the duplexing unit upper cover by releasing 2 hooks.

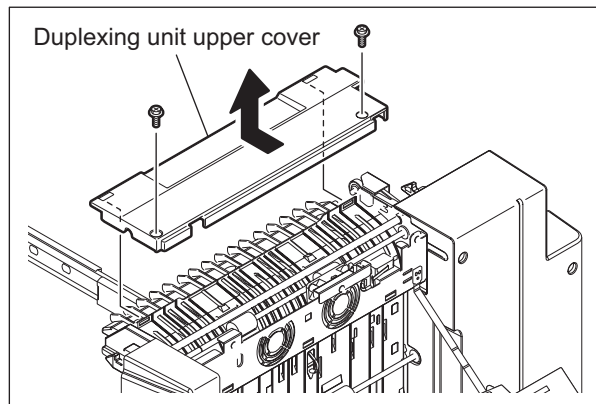


Fig. 4-702

4.10.38 Duplexing unit front side cover

- (1) Take off the duplexing unit front cover.
📖 P. 4-5"4.1.13 Duplexing unit front cover"
- (2) Remove 2 screws and then release a hook by pushing the upper section of the duplexing unit front side cover to the rear side.
- (3) Take off the duplexing unit front side cover by sliding it in the direction of the arrow.

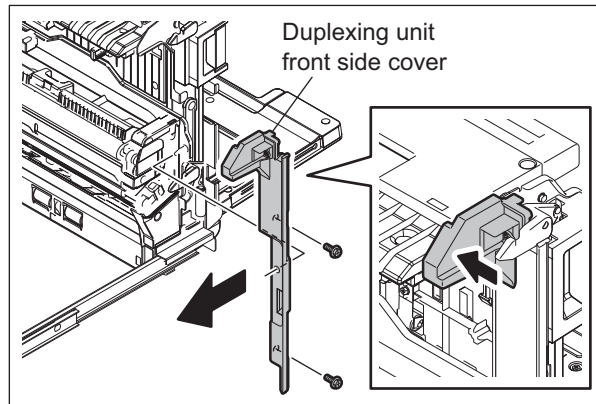


Fig. 4-703

4.10.39 Duplexing unit rear side cover

- (1) Take off the duplexing unit rear cover.
📖 P. 4-5"4.1.14 Duplexing unit rear cover"
- (2) Remove 1 screw. Then take off the duplexing unit rear side cover by sliding it in the direction of the arrow.

Notes:

When installing the cover, insert the 2 hooks of the duplexing unit rear side cover into the frame.

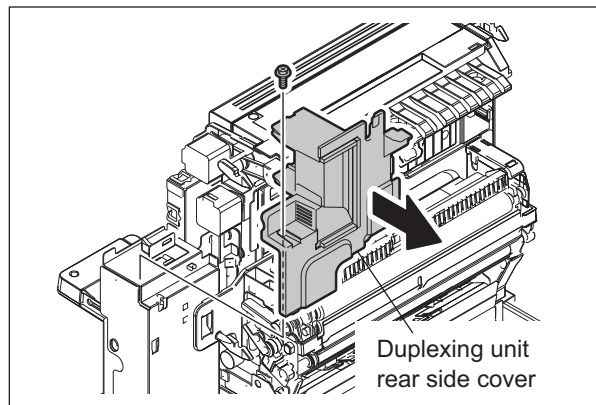


Fig. 4-704

4.10.40 Reversed paper cooling fan (F11)

- (1) Take off the duplexing unit upper cover.
📖 P. 4-241"4.10.37 Duplexing unit upper cover"
- (2) Remove 1 screw and then lift up the fan bracket.
- (3) Release a harness from a clamp and disconnect a connector.

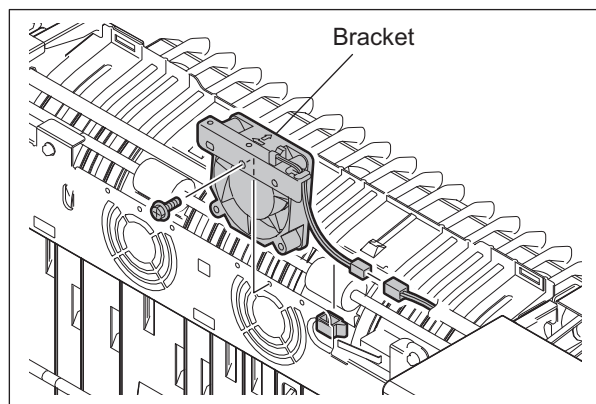


Fig. 4-705

- (4) Release the harness from 2 clamps.
- (5) Remove 2 screws and then take off the Reversed paper cooling fan.

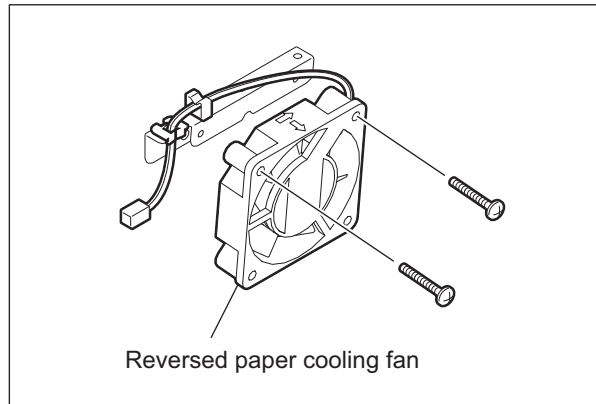


Fig. 4-706

4.10.41 ADU motor-1 (M7)

- (1) Take off the duplexing unit rear cover.
📖 P. 4-242"4.10.39 Duplexing unit rear side cover"
- (2) Disconnect a connector from the ADU motor-1.
- (3) Remove 2 screws and then take off the ADU motor-1 together with its bracket.

Notes:

When installing the motor, set the belt securely to the gear and the pulley.

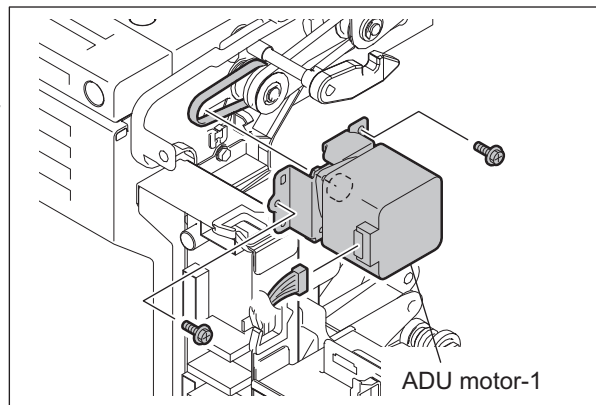


Fig. 4-707

- (4) Remove 2 screws and then take off the bracket from ADU motor-1.

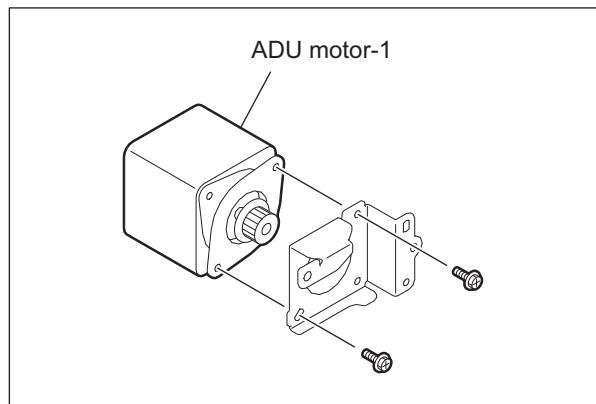


Fig. 4-708

4.10.42 ADU motor-2 (M8)

- (1) Take off the TRU waste toner transport drive section.
📖 P. 4-160"4.7.21 TRU waste toner auger drive section"
- (2) Disconnect a connector from the ADU motor-2.
- (3) Remove 2 screws and then take off the ADU motor-2 and a belt.

Notes:

When installing the motor, set the belt securely to the ADU motor-2 and the pulley.

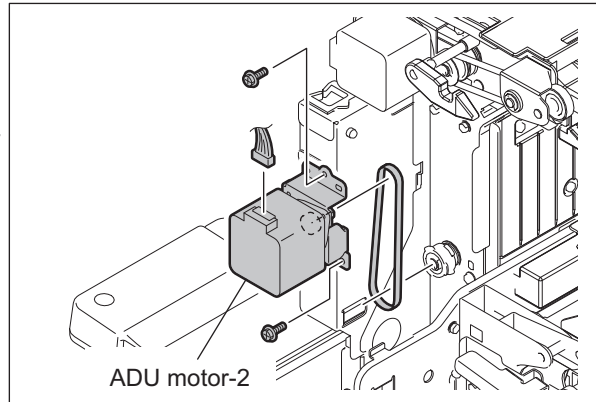


Fig. 4-709

- (4) Remove 2 screws and then take off the bracket from ADU motor-2.

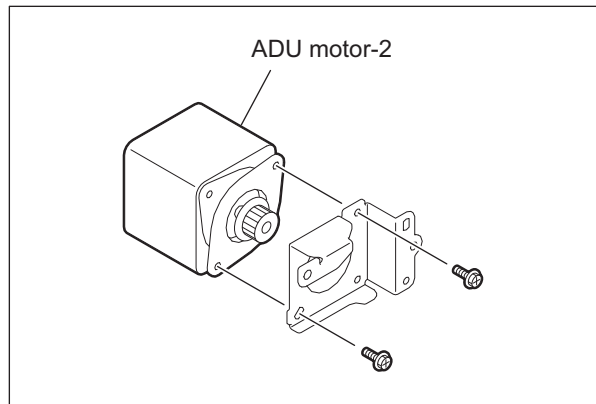


Fig. 4-710

4.10.43 ADU board (ADU)

- (1) Take off the duplexing unit rear cover.
P. 4-5"4.1.14 Duplexing unit rear cover"
- (2) Disconnect all the connectors of the ADU board [1]. Then release the harness from 2 clamps.
- (3) Remove 3 screws and then release a locking support. Then take off the ADU board [1].

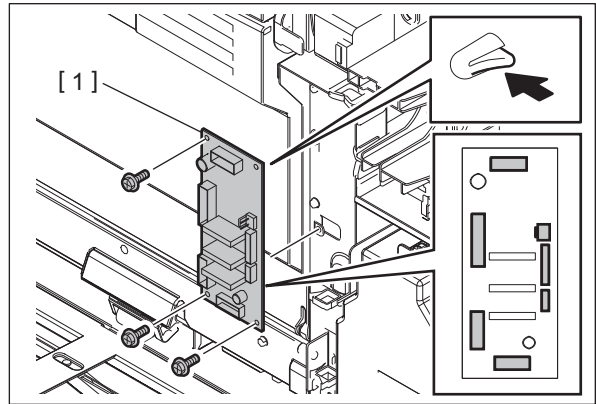


Fig. 4-711

4.10.44 ADU transport roller-1

- (1) Take off the duplexing unit front cover.
P. 4-5"4.1.13 Duplexing unit front cover"
- (2) Take off the duplexing unit upper cover.
P. 4-241"4.10.37 Duplexing unit upper cover"
- (3) Take off the duplexing unit front side cover.
P. 4-242"4.10.38 Duplexing unit front side cover"
- (4) Take off the ADU motor-1.
P. 4-243"4.10.41 ADU motor-1 (M7)"
- (5) Remove 2 screws and then release 1 hook. Then take off the front hook cover.

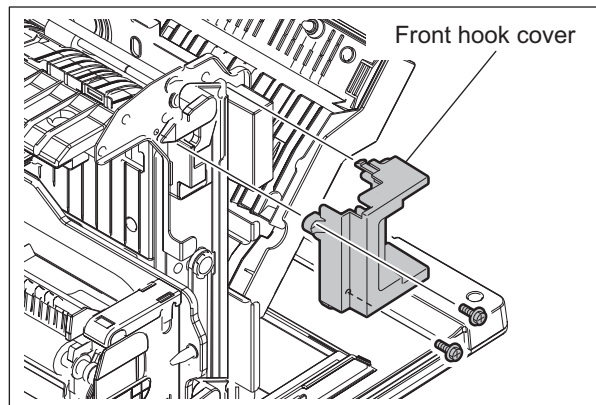


Fig. 4-712

- (6) Remove 1 spring.

Notes:

Be careful because the spring force is quite strong.

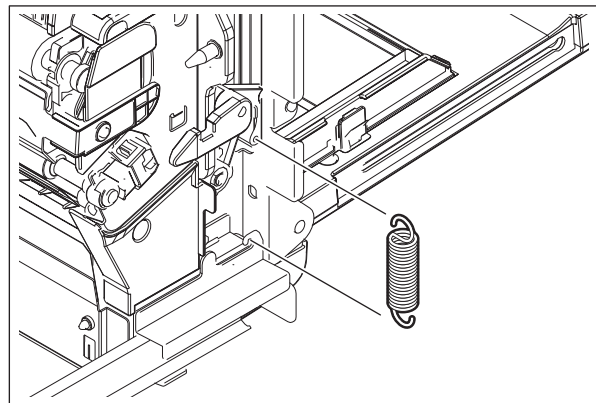


Fig. 4-713

- (7) Remove 2 screw and take off the front hook.

Notes:

The type of screw differs depending on its installation position.

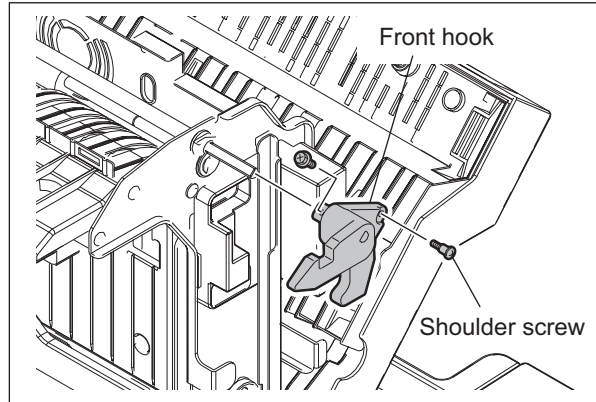


Fig. 4-714

- (8) Remove 2 E-rings, 2 pulleys, 2 belts, 1 bushing and a bracket.

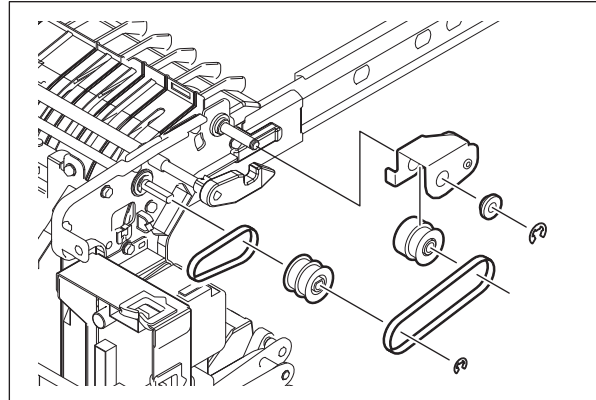


Fig. 4-715

- (9) Remove a clip from the front side of the lever shaft. Then take off a bushing.

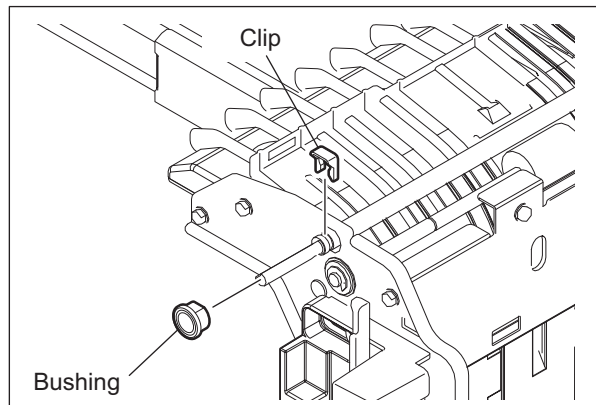


Fig. 4-716

- (10) Take off the lever shaft from the rear side.

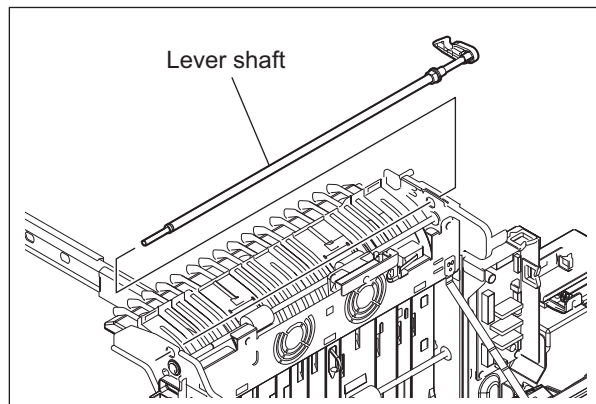


Fig. 4-717

- (11) Remove 2 E-rings and then take off the bearing. Then take off the ADU transport roller-1.

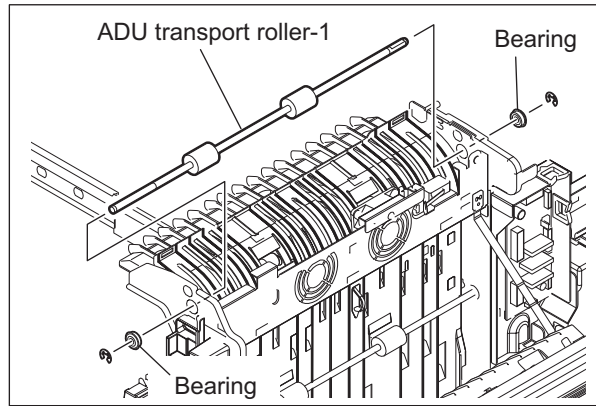


Fig. 4-718

4.10.45 ADU transport roller-2

- (1) Take off the duplexing unit rear cover.
 P. 4-5"4.1.14 Duplexing unit rear cover"
- (2) Take off the duplexing unit front side cover.
 P. 4-242"4.10.38 Duplexing unit front side cover"
- (3) Take off the ADU motor-2.
 P. 4-244"4.10.42 ADU motor-2 (M8)"
- (4) Open the duplexing unit cover.
- (5) Remove 2 screws and take off the front hook cover.

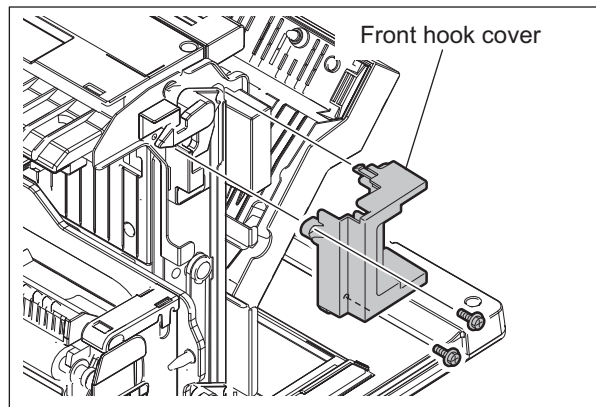


Fig. 4-719

- (6) Remove 1 spring.

Notes:

Be careful because the spring force is quite strong.

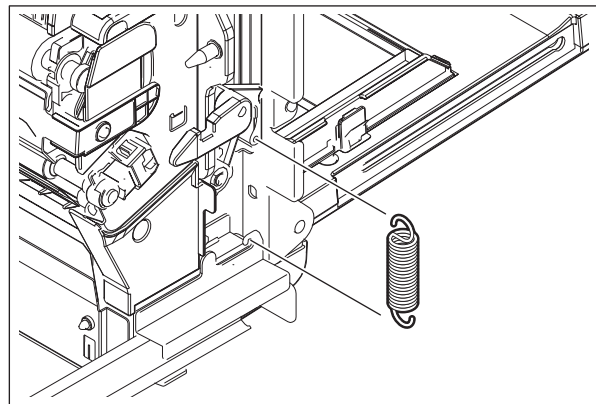


Fig. 4-720

(7) Remove 2 screws and a hook stay.

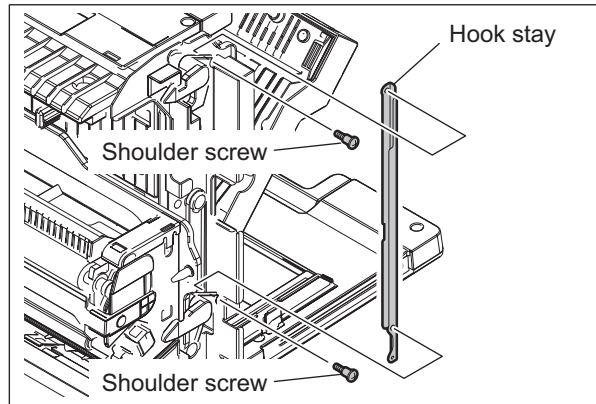


Fig. 4-721

(8) Remove 2 E-rings and 1 clip. Then remove 3 pulleys and 2 belts.

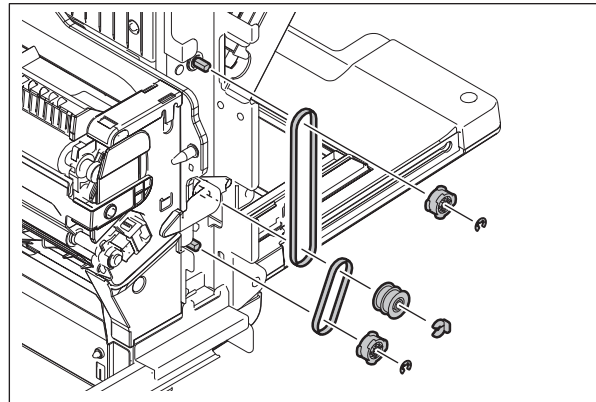


Fig. 4-722

(9) Remove an E-ring and a pulley.

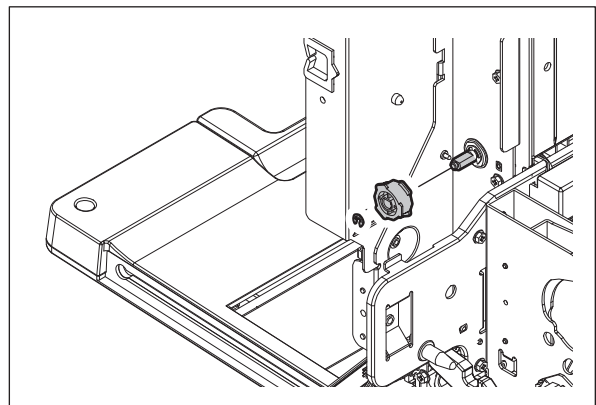


Fig. 4-723

(10) Remove 2 E-rings and 2 bearings. Then take off ADU transport roller-2.

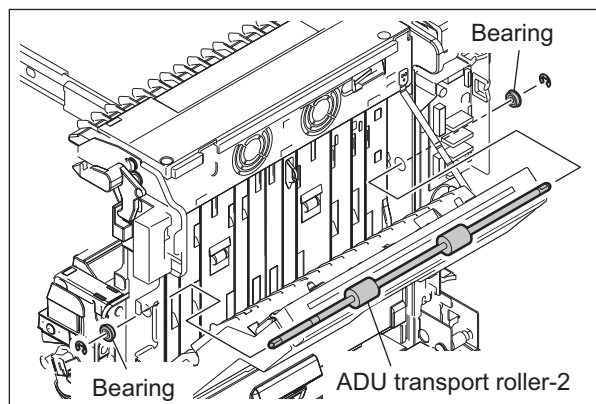


Fig. 4-724

4.10.46 ADU transport roller-3

- (1) Take off the duplexing unit front side cover.
P. 4-242"4.10.38 Duplexing unit front side cover"
- (2) Take off the duplexing unit rear side cover.
P. 4-242"4.10.39 Duplexing unit rear side cover"
- (3) Take off the TRU waste toner transport drive section.
P. 4-160"4.7.21 TRU waste toner auger drive section"
- (4) Take off the bypass feed unit.
P. 4-45"4.5.2 Bypass feed unit"
- (5) Take off the hook stay.
P. 4-247"4.10.45 ADU transport roller-2"
- (6) Remove 1 E-ring and 1 clip. Then remove 1 pulley and 1 belt.
- (7) Remove 2 E-rings and 2 bearings. Then take off ADU transport roller-3.

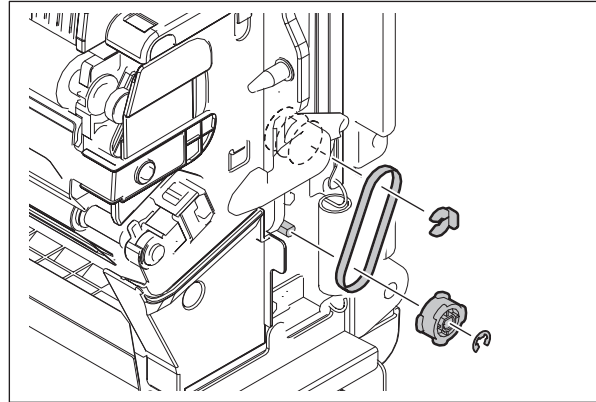


Fig. 4-725

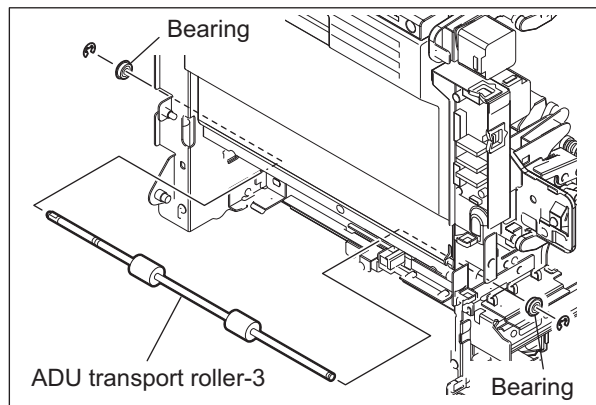


Fig. 4-726

4.10.47 Duplexing unit path exit sensor (S67)

- (1) Take off the 2nd transfer unit.
P. 4-154"4.7.14 2nd transfer unit (TRU)"
- (2) Remove 1 screw and take off the sensor bracket.
- (3) Release the harness from the guide and clamp.

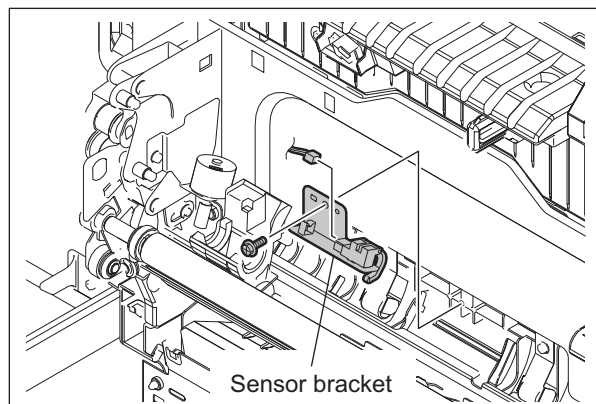


Fig. 4-727

- (4) Remove the duplexing unit path exit sensor from the sensor bracket.

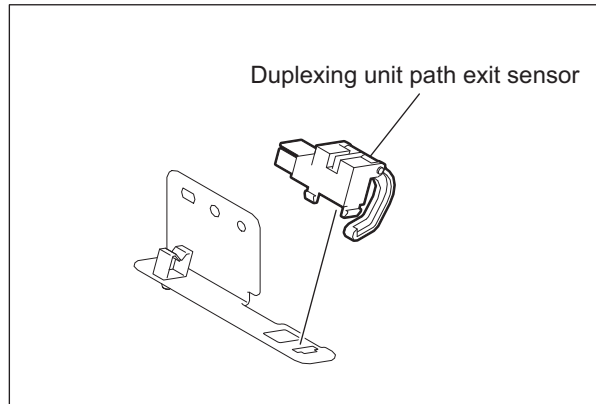


Fig. 4-728

4.10.48 Fuser transport sensor (S65)

- (1) Pull out the duplexing unit.
- (2) Remove 3 screws and take off transport guide.

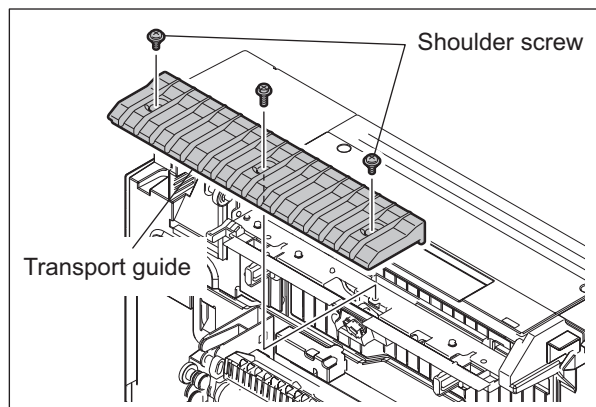


Fig. 4-729

- (3) Remove 1 screw and take off the sensor bracket.
- (4) Disconnect the connector from the fuser transport sensor.

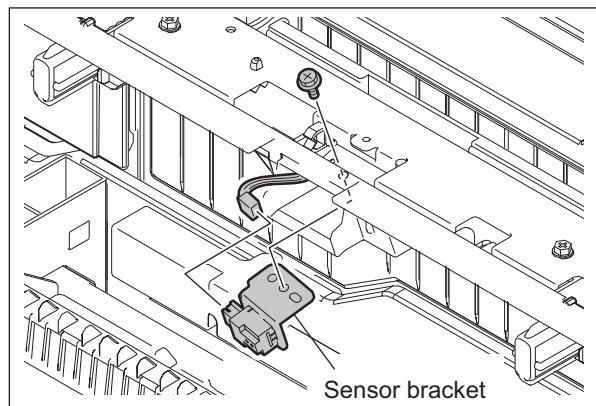


Fig. 4-730

- (5) Remove the film and then take off the fuser transport sensor from its bracket.

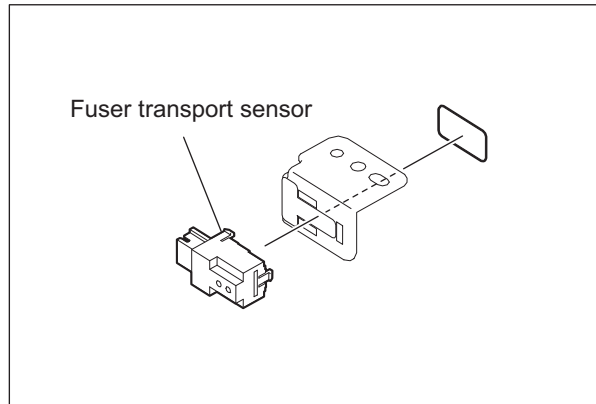


Fig. 4-731

4.10.49 Duplexing unit path entrance sensor (S66)

- (1) Pull out the duplexing unit.
- (2) Remove 5 screws and then take off the duplexing unit left side cover from the 2 hooks.

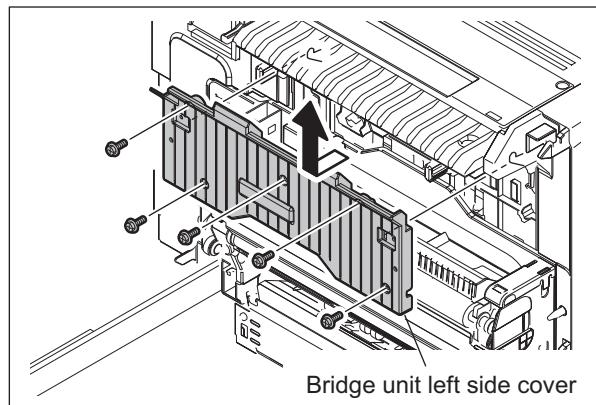


Fig. 4-732

- (3) Remove 1 screw and then take off a sensor bracket.
- (4) Disconnect the connector from the duplexing unit path entrance sensor.

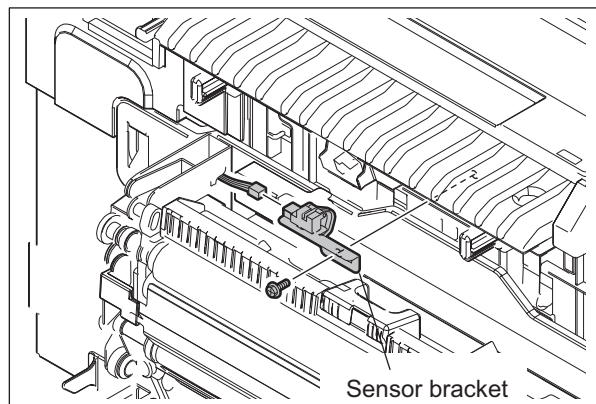


Fig. 4-733

- (5) Take off the duplexing unit path entrance sensor from the sensor bracket.

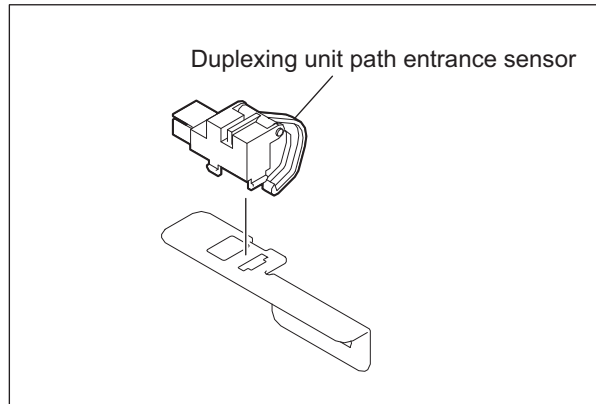


Fig. 4-734

4.10.50 Duplexing unit cover opening/closing detection switch (SW7)

Notes:

When the duplexing unit cover opening/closing detection sensor is replaced or removed, be sure to perform the operation check with the output check (test mode 03). If the installation is insufficient, this sensor is not performing properly. In this case, you may touch the rotating portions in the drive motor during the drive and could be injured as a result.

- (1) Take off the duplexing unit upper cover.
P. 4-241 "4.10.37 Duplexing unit upper cover"
- (2) Remove 2 screws and then take off the duplexing unit cover opening/closing detection sensor.
- (3) Release a clamp, and then disconnect 2 connectors from the duplexing unit cover opening/closing detection sensor.

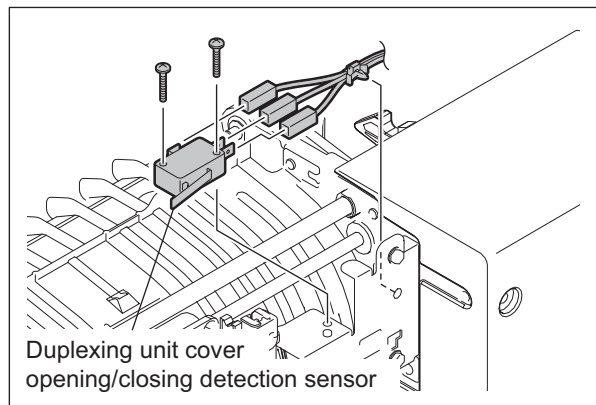


Fig. 4-735

4.10.51 Duplexing unit interlock switch (SW4)

Notes:

When the duplexing unit interlock switch is replaced or removed, be sure to perform the operation check with the output check (test mode 03). If the installation is insufficient, this could cause an electric shock, or a burn injury due to overheating of the fuser unit since power continues to be supplied to the IH coil and the IH board while the cover is open.

- (1) Take off the right rear cover.
📖 P. 4-6"4.1.17 Right rear cover"
- (2) Remove 2 screws and take off the switch bracket.
- (3) Disconnect the connector from the duplexing unit interlock switch.

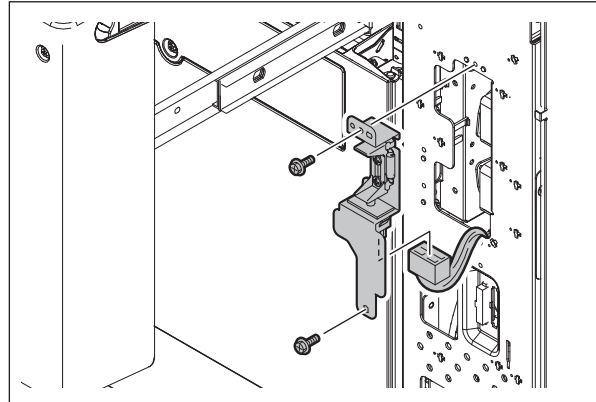


Fig. 4-736

- (4) Remove 2 screws and a spring. Then remove a pusher.

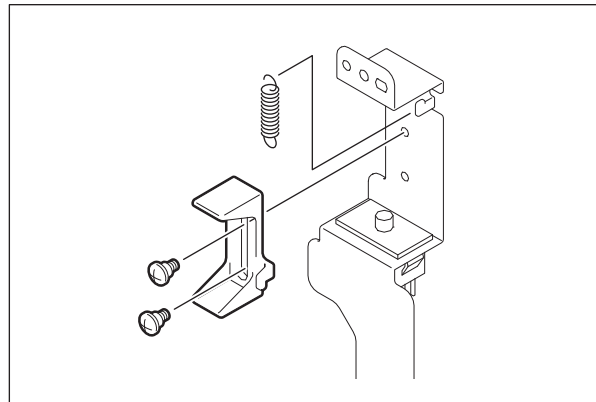


Fig. 4-737

- (5) Take off the duplexing unit interlock switch from the bracket.

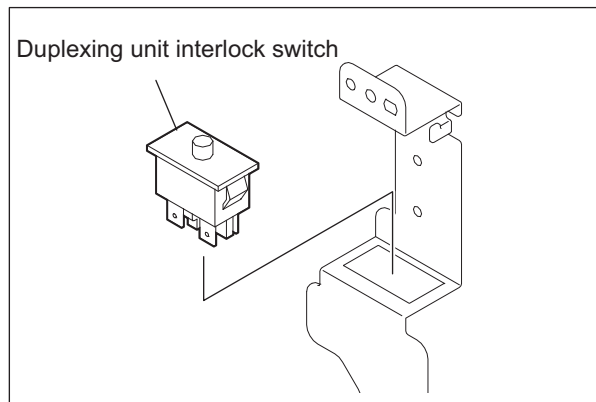


Fig. 4-738

4.10.52 Interlock switch (SW2)

Notes:

When the interlock switch is replaced or removed, be sure to perform the operation check with the output check (test mode 03). If the installation is insufficient, this could cause an electric shock.

- (1) Take off the front lower cover.
📖 P. 4-1"4.1.2 Front cover"
- (2) Take off the right internal cover.
📖 P. 4-133"4.6.49 Toner cartridge heat insulation fan (F21)"
- (3) Disconnect the connector [2] from the interlock switch [1].

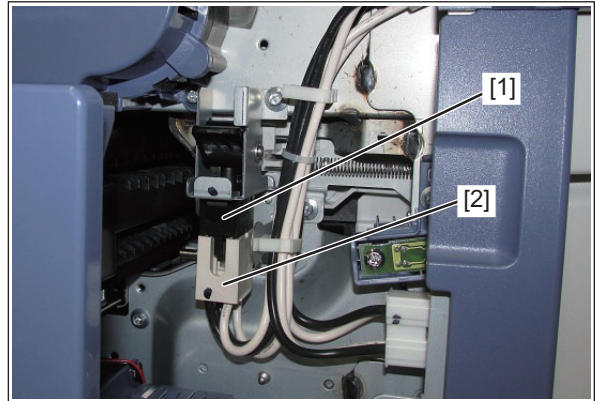


Fig. 4-739

- (4) Remove 2 screws and take off the switch bracket [1].

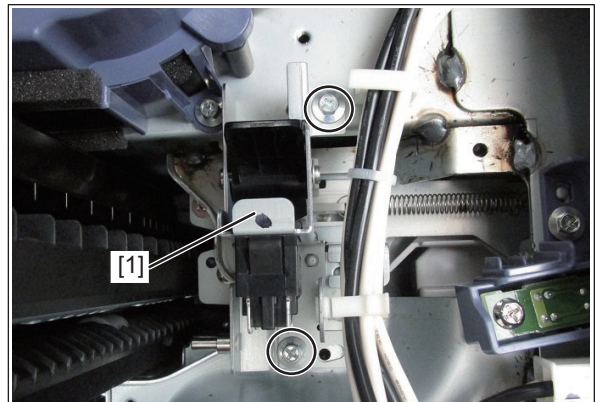


Fig. 4-740

- (5) Remove 1 E-ring [2], and take off the shaft [3] and switch guide [4].

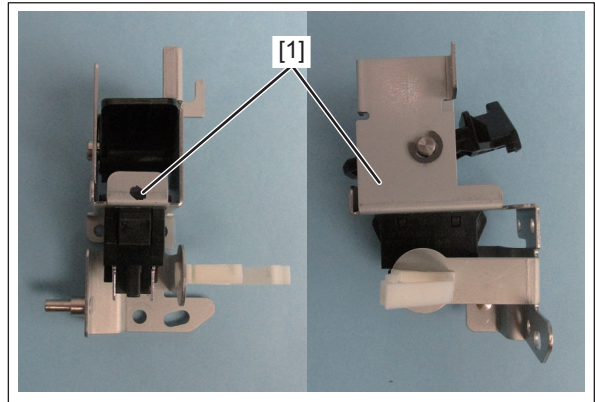


Fig. 4-741

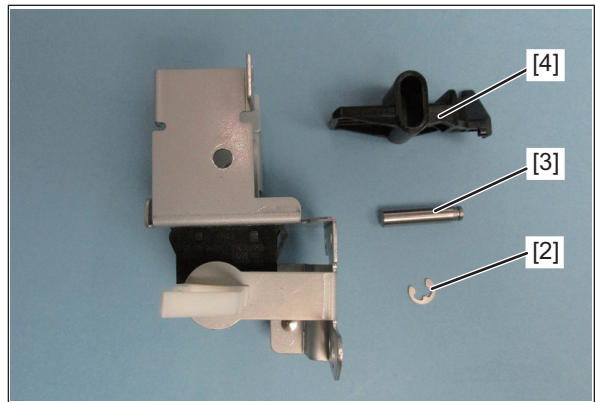


Fig. 4-742

- (6) Take off the interlock switch [2] from the switch bracket [1].

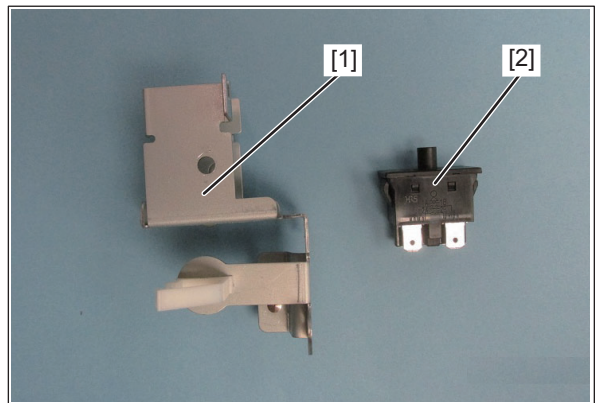


Fig. 4-743

4.11 Reversing Automatic Document Feeder (RADF)

4.11.1 RADF

- (1) Remove 1 screw and take off the RADF connector cover. Then disconnect the connector.

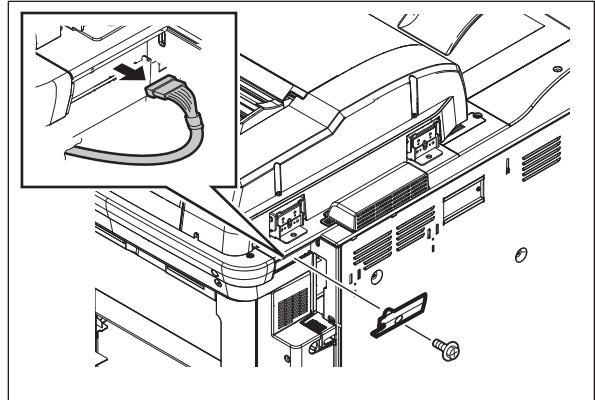


Fig. 4-744

- (2) Remove 2 screws.

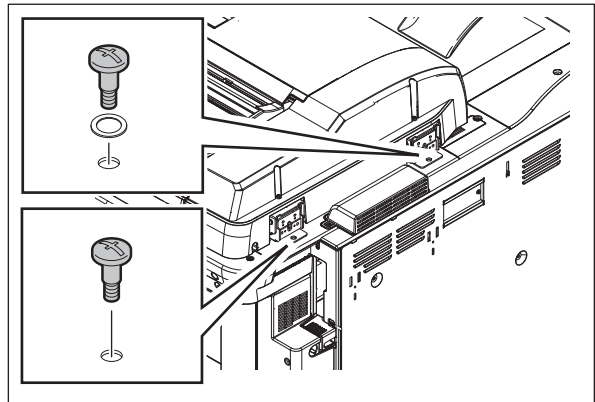


Fig. 4-745

- (3) Open the RADF and remove 2 screws.

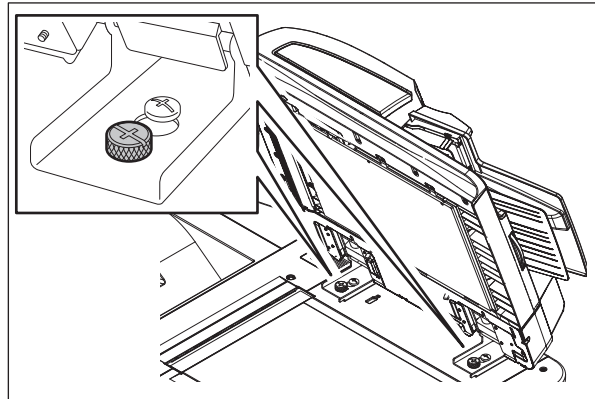


Fig. 4-746

- (4) Slide the RADF towards the rear side and take it off.

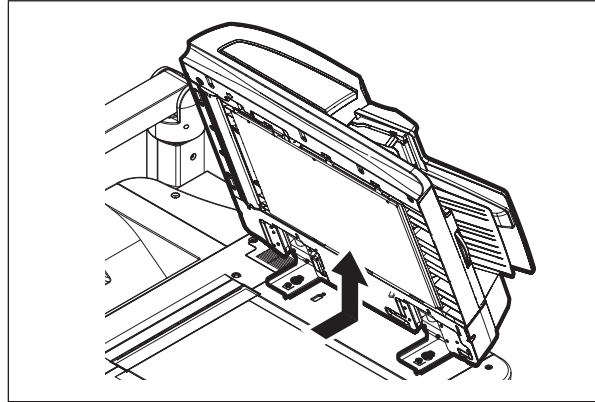


Fig. 4-747

4.11.2 RADF front cover

- (1) Open the original jam access cover and remove 2 screws.

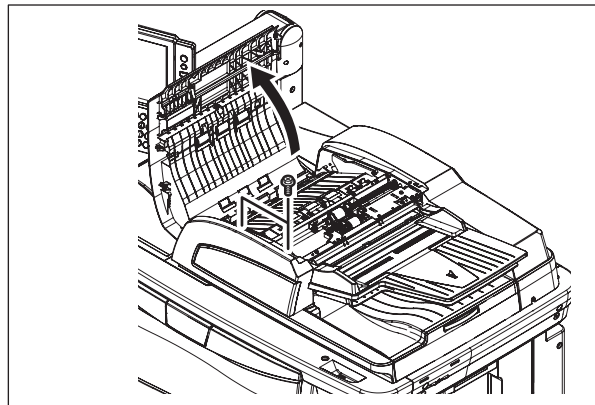


Fig. 4-748

- (2) Open the RADF and remove 4 screws.

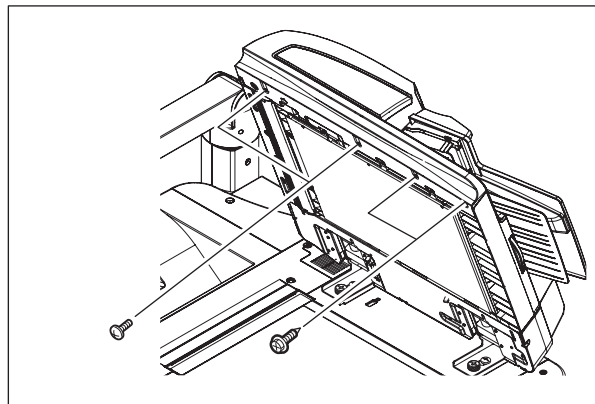


Fig. 4-749

- (3) Take off the RADF front cover.

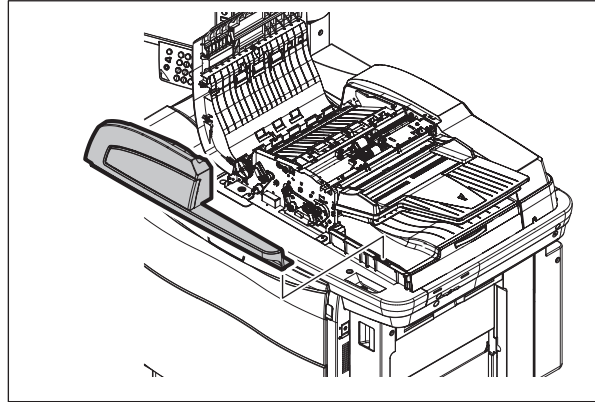


Fig. 4-750

4.11.3 RADF rear cover

- (1) Remove the upper exhaust fan cover.
P. 4-7"4.1.19 Upper exhaust fan cover"
- (2) Open the original jam access cover and remove 4 screws.

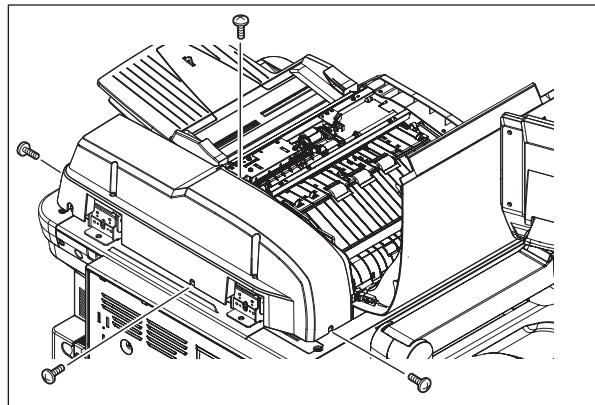


Fig. 4-751

- (3) Lift up the original tray and take off the RADF rear cover.

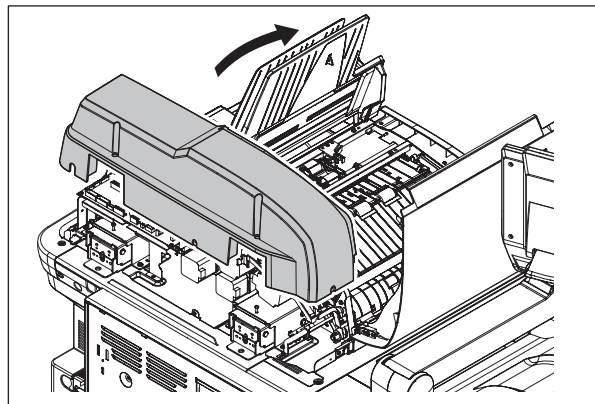



Fig. 4-752

4.11.4 Original jam access cover

- (1) Take off the RADF front cover.
 P. 4-257 "4.11.2 RADF front cover"
- (2) Remove 1 clip and then the dial and pin.

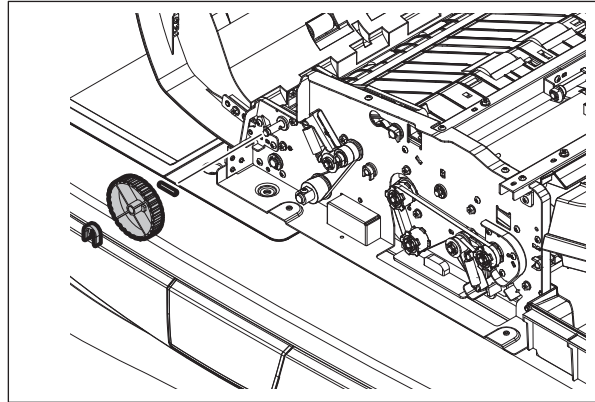


Fig. 4-753

- (3) Remove 2 screws and the hinge pin.

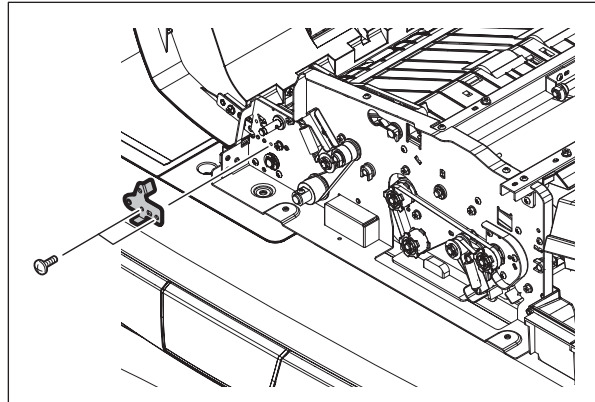


Fig. 4-754

- (4) Slide the original jam access cover to take it off.

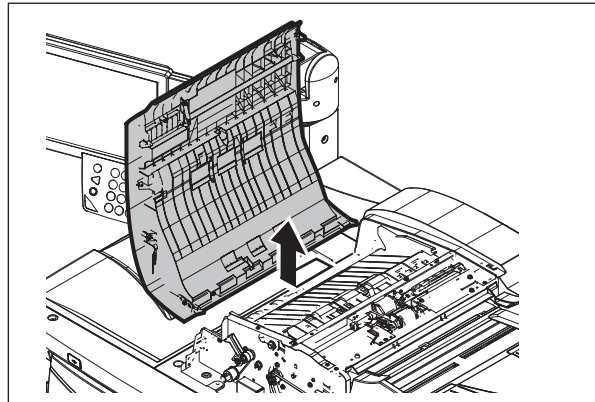




Fig. 4-755

4.11.5 RADF left cover

- (1) Remove the RADF front cover.
 P. 4-257"4.11.2 RADF front cover"
- (2) Remove the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (3) Remove 2 screws and take off the RADF left cover.

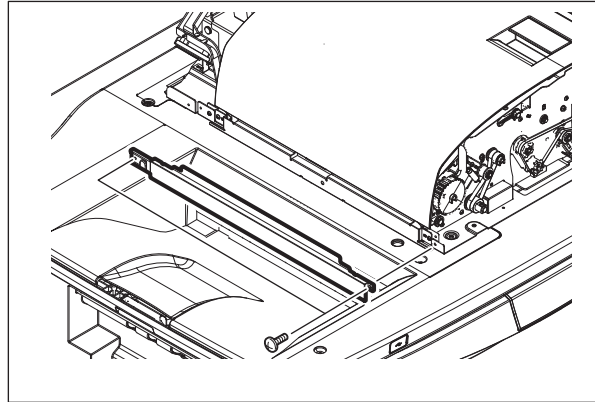



Fig. 4-756

4.11.6 Original tray

- (1) Take off the paper feeder unit.
 P. 4-266"4.11.12 Paper feeder unit"
- (2) Disconnect 1 connector from the RADF board.

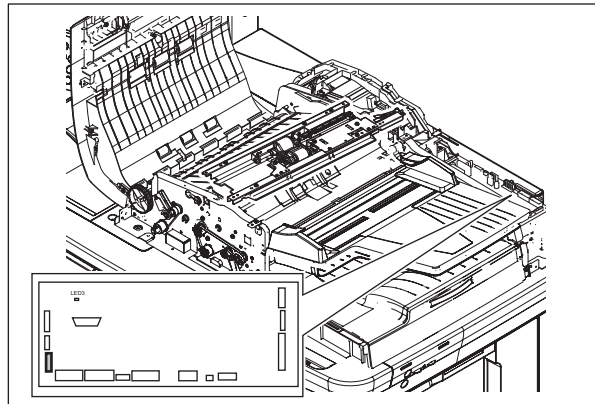


Fig. 4-757

- (3) Remove 1 screw and take off the bushing.

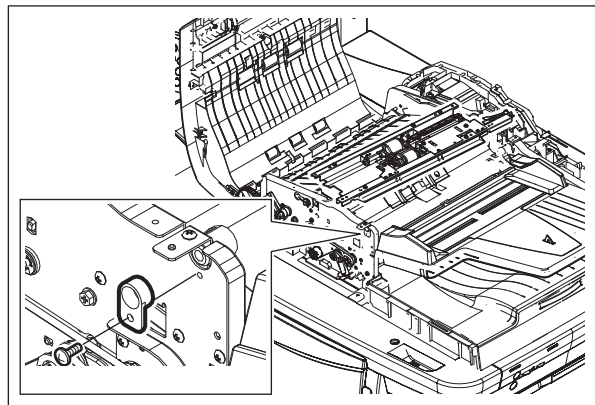


Fig. 4-758

- (4) Take off the original tray.

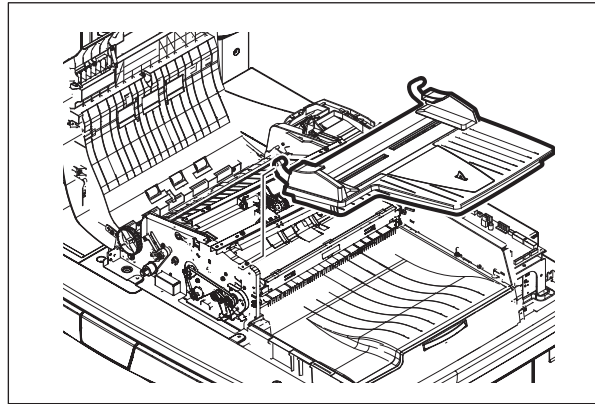


Fig. 4-759

4.11.7 Original reverse tray

- (1) Remove the original tray.
☞ P. 4-260"4.11.6 Original tray"
- (2) Remove 1 screw and take off the original reverse tray.

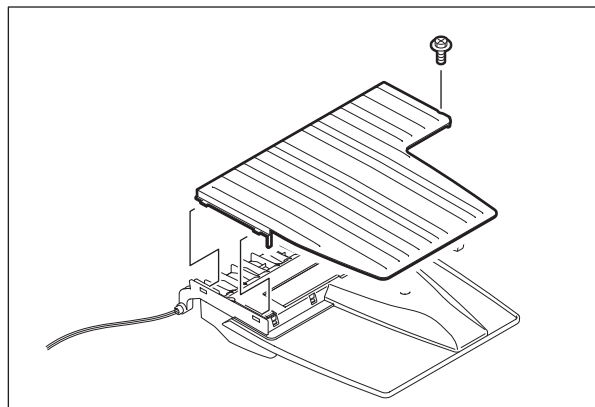


Fig. 4-760

4.11.8 Platen sheet unit

- (1) Open the RADF. Remove 5 screws and take off the platen sheet unit.

Notes:

- Do not scratch or bend the platen sheet. Avoid adhesion of dust, dirt or foreign matter, especially things that may damage to the surface of the platen sheet.
- When installing the platen sheet unit, be sure to perform the platen sheet adjustment. ☞ P. 6-129"6.12.9 Platen Sheet"

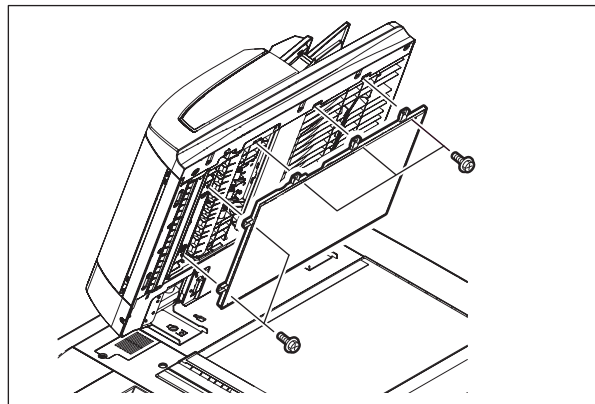





Fig. 4-761

4.11.9 RADF exit tray

- (1) Take off the RADF front cover.
 P. 4-257 "4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
 P. 4-258 "4.11.3 RADF rear cover"
- (3) Take off the platen sheet unit.
 P. 4-261 "4.11.8 Platen sheet unit"
- (4) Remove 5 screws.

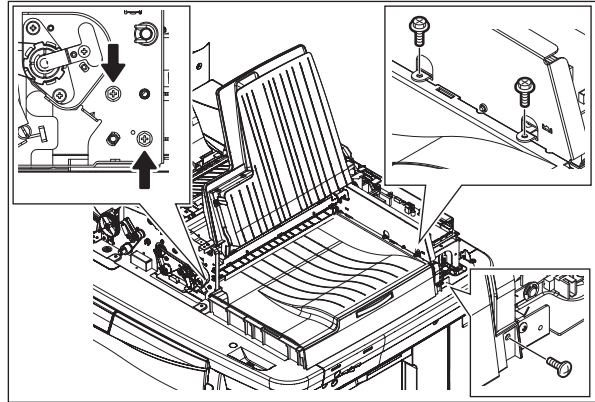


Fig. 4-762

- (5) Remove 1 screw.

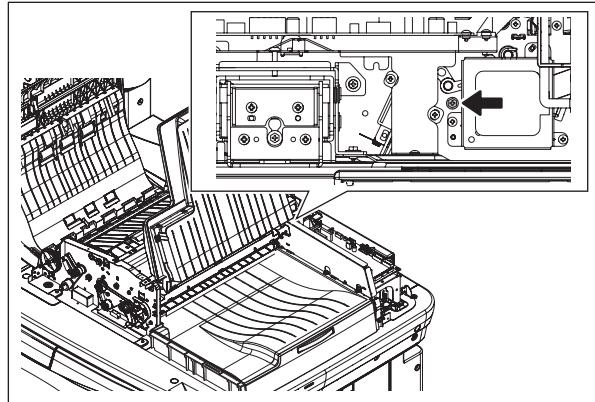


Fig. 4-763

- (6) Take off the RADF exit tray.

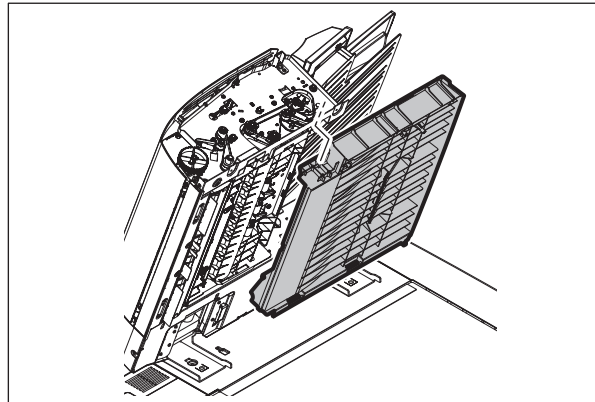


Fig. 4-764

4.11.10 Reading start guide unit

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Take off the original jam access cover.
📖 P. 4-259"4.11.4 Original jam access cover"
- (3) Take off the RADF left cover.
📖 P. 4-260"4.11.5 RADF left cover"
- (4) Take off the RADF cooling fan.
📖 P. 4-286"4.11.31 RADF cooling fan (FR1)"
- (5) Remove 2 screws. Disconnect 2 connectors.

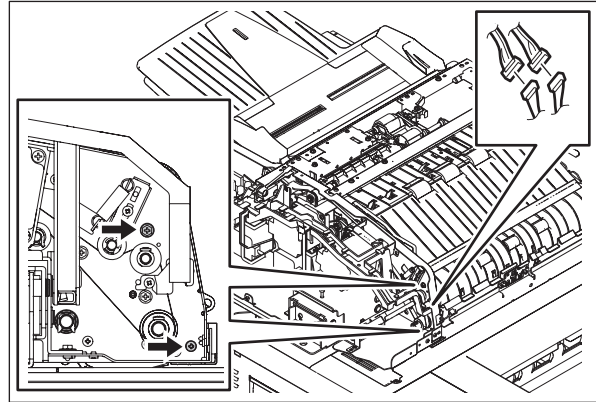


Fig. 4-765

- (6) Remove 2 screws.

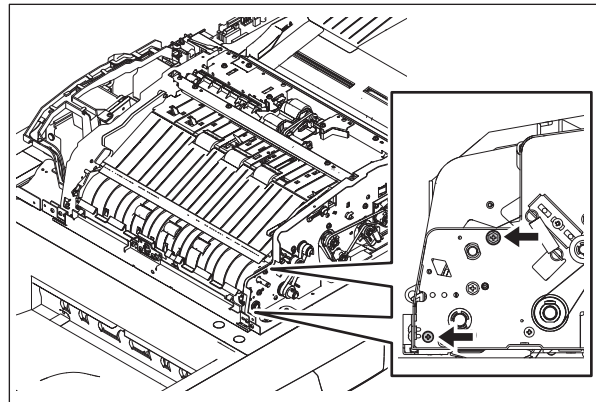


Fig. 4-766

- (7) Remove 2 screws and take off the reading start guide unit.

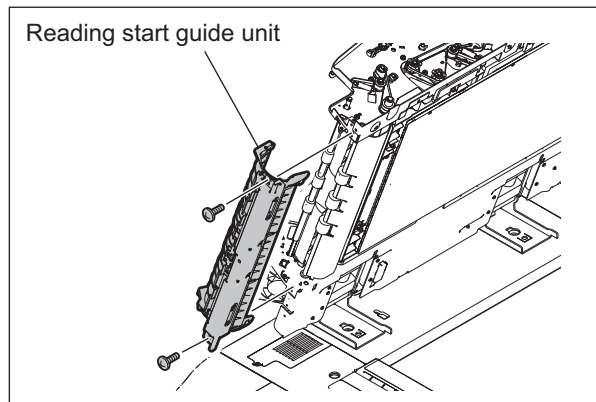


Fig. 4-767

4.11.11 Exit guide / Exit/reverse guide / Reading end guide

- (1) Take off the platen sheet unit.
P. 4-261"4.11.8 Platen sheet unit"
- (2) Remove the RADF exit tray.
P. 4-262"4.11.9 RADF exit tray"
- (3) Take off the original exit motor.
P. 4-284"4.11.30 Original exit motor (MR4)"
- (4) Take off the original reverse motor.
P. 4-284"4.11.29 Original reverse motor (MR3)"
- (5) Remove 1 clip, 1 pulley, 1 timing belt and 1 pin.

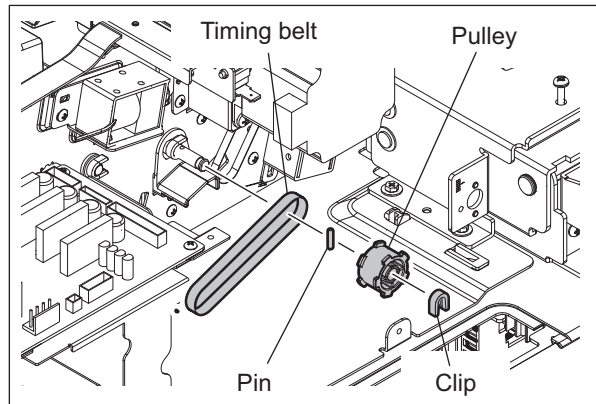


Fig. 4-768

- (6) Disconnect 1 connector. Remove 1 clip and take off the rear side guide bushing.

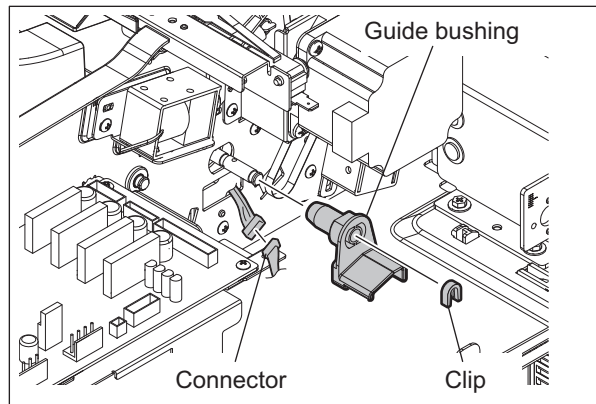


Fig. 4-769

- (7) Remove 1 screw and take off the leaf spring.

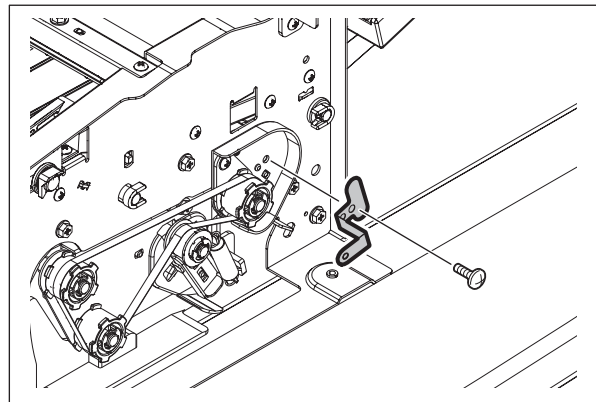


Fig. 4-770

(8) Remove 2 screws.

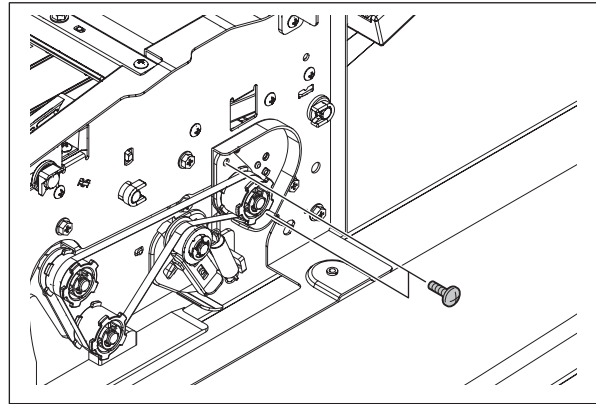


Fig. 4-771

(9) Take off the unit of exit guide and exit/reverse guide.

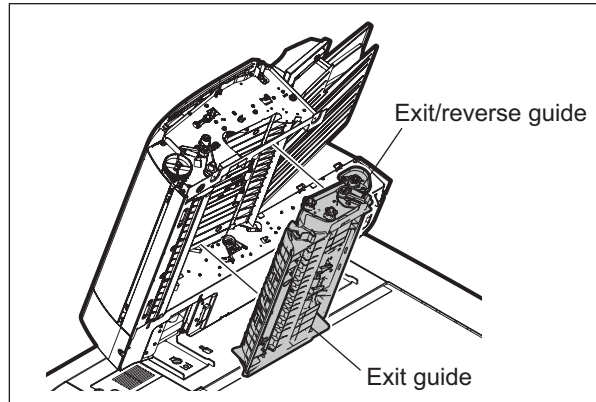


Fig. 4-772

(10) Disconnect 2 connectors, remove 2 screws and take off the reading end guide.

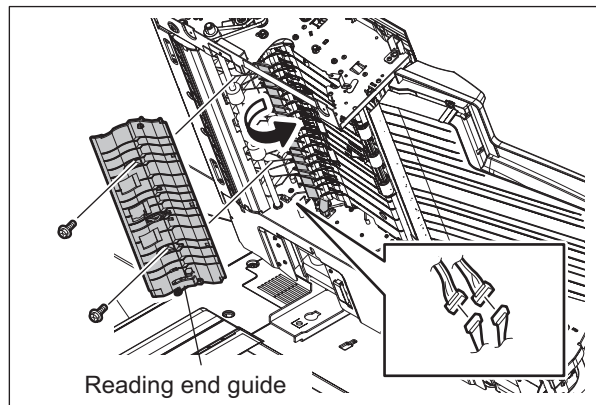


Fig. 4-773

(11) Remove 1 E-ring, 1 pulley, 1 pin, 1 timing belt, 1 guide bushing and the bracket.

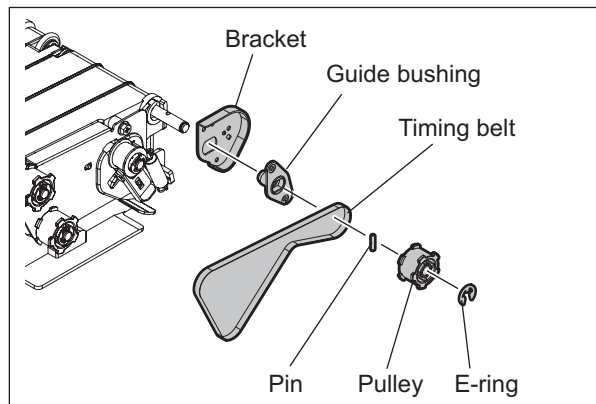


Fig. 4-774

- (12) Separate the reverse guide and the exit/reverse guide.

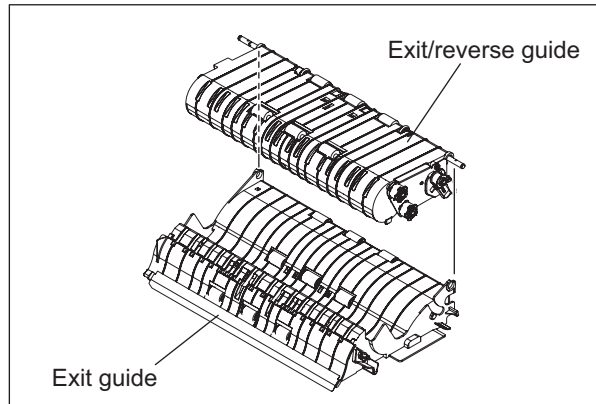


Fig. 4-775

4.11.12 Paper feeder unit

- (1) Open the original jam access cover. Then remove 2 screws and take off the arm unit on the front side.

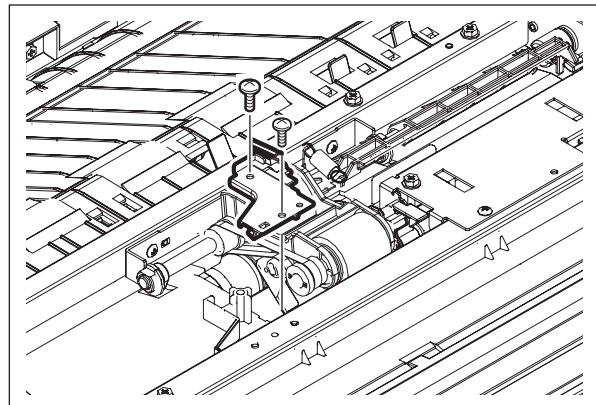


Fig. 4-776

- (2) Remove 1 clip and slide the bushing.

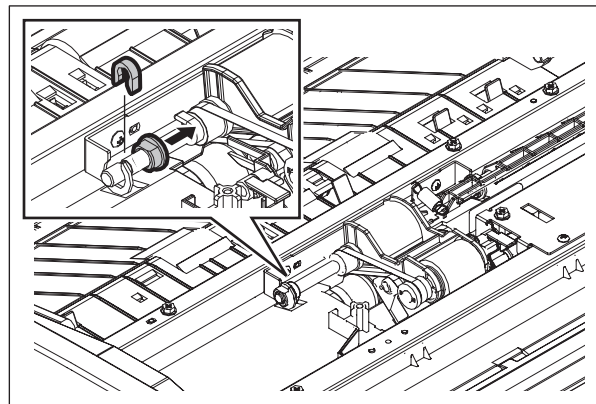


Fig. 4-777

- (3) Take off the paper feeder unit.

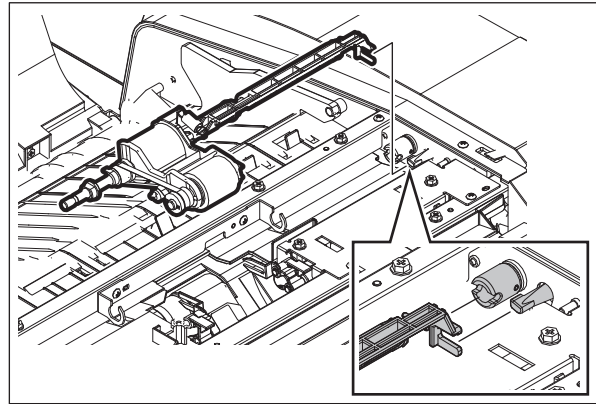



Fig. 4-778

4.11.13 Pickup roller

- (1) Take off the paper feeder unit.
 P. 4-266 "4.11.12 Paper feeder unit"
- (2) Remove 1 clip. Then pull out the shaft and take off the pickup roller.

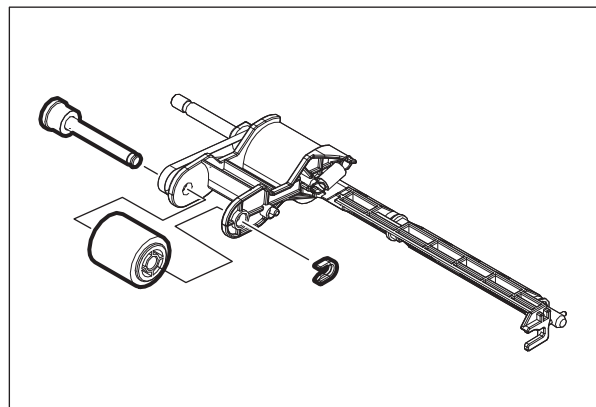


Fig. 4-779

Notes:

Make sure you assemble the pickup roller with the one-way clutch in the correct direction.

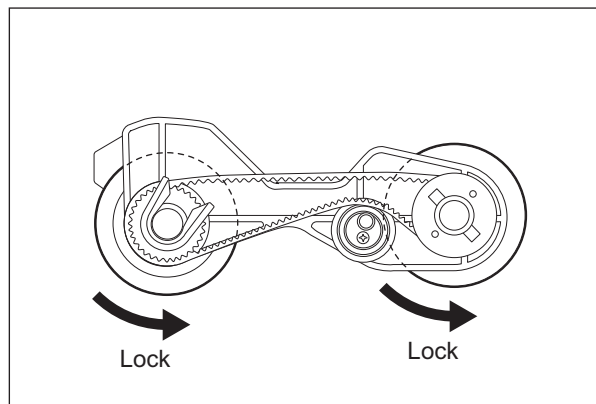



Fig. 4-780

4.11.14 Feed roller

- (1) Take off the paper feeder unit.
 P. 4-266"4.11.12 Paper feeder unit"
- (2) Remove 1 clip. Then slide the pulley and remove 1 pin.

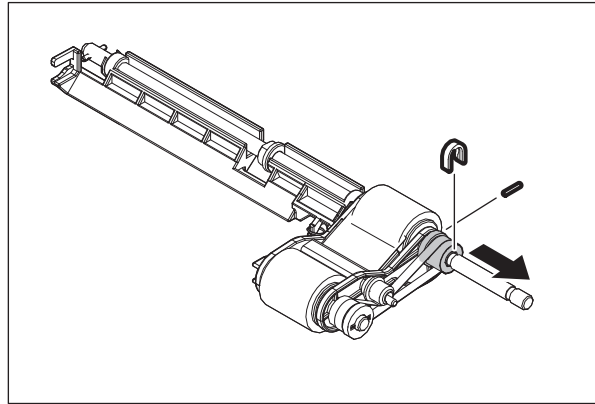


Fig. 4-781

- (3) Pull out the shaft and take off the feed roller.



Fig. 4-782

Notes:

Make sure you assemble the pickup roller with the one-way clutch in the correct direction.

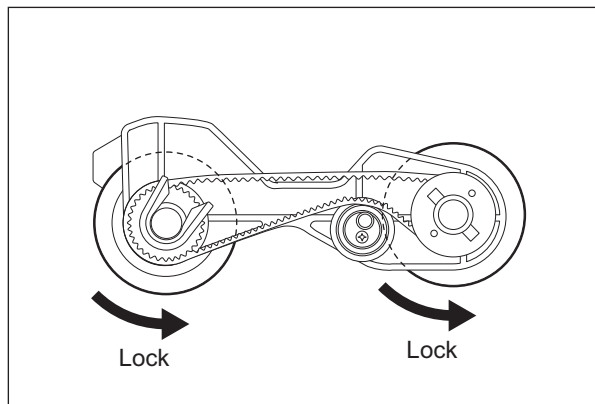




Fig. 4-783

4.11.15 Separation roller (e-STUDIO5540C/6540C/6550C)

- (1) Take off the RADF front cover.
 P. 4-257 "4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
 P. 4-258 "4.11.3 RADF rear cover"
- (3) Remove 4 screws and take off the feeder upper guide unit.

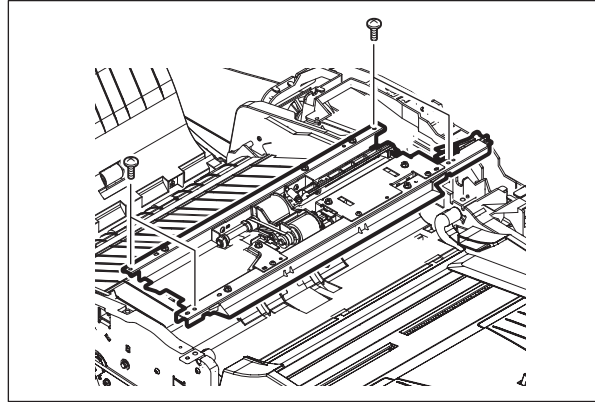


Fig. 4-784

- (4) Remove 1 screw and open the separation roller holder [1]. Then take off the separation roller unit.

Notes:

Do not peel off the film [2] of the separation roller holder since it is fixed to the RADF with double-faced adhesive tape.

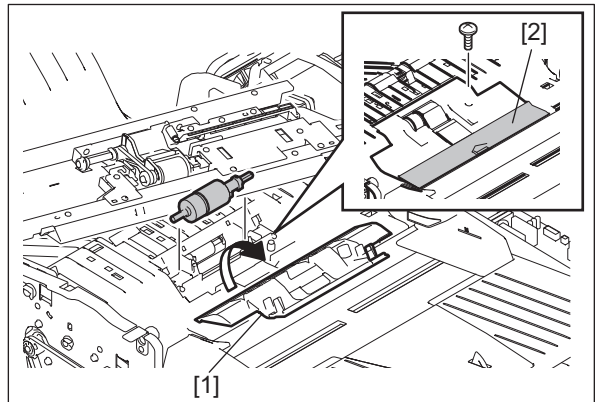


Fig. 4-785

- (5) Remove 1 E-ring and 1 bushing and then take off the separation roller.

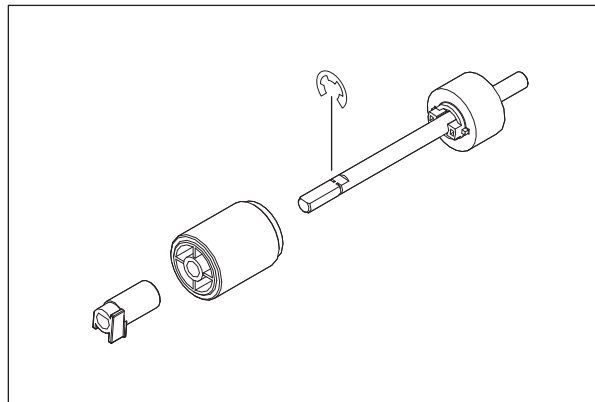




Fig. 4-786

4.11.16 Separation roller (e-STUDIO5560C/6560C/6570C)

- (1) Take off the RADF front cover.
 P. 4-257"4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (3) Remove 4 screws and take off the feeder upper guide unit [1].

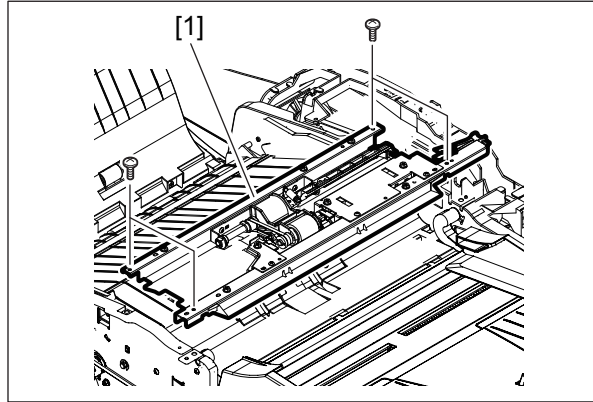


Fig. 4-787

- (4) Release 2 hooks. Open the separation roller holder [1].

Notes:

Do not peel off the film [2] of the separation roller holder since it is fixed to the RADF with double-faced adhesive tape.

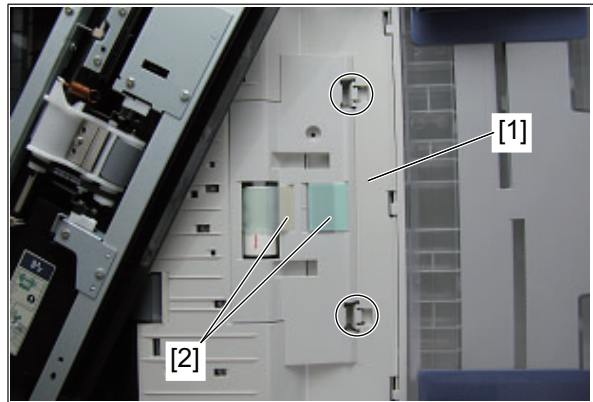


Fig. 4-788

- (5) Take off the separation roller [1].

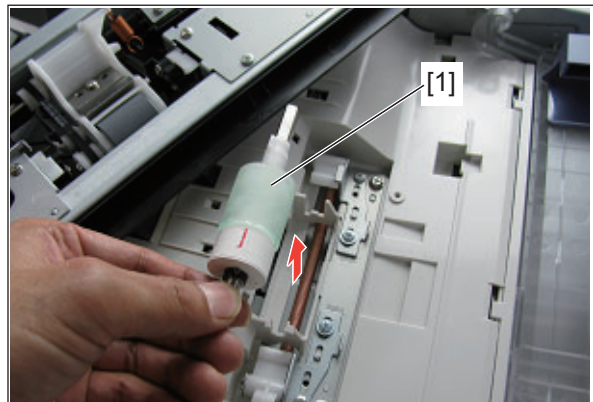


Fig. 4-789

- (6) Release the hook of the bushing [1] and then take it off from the shaft.

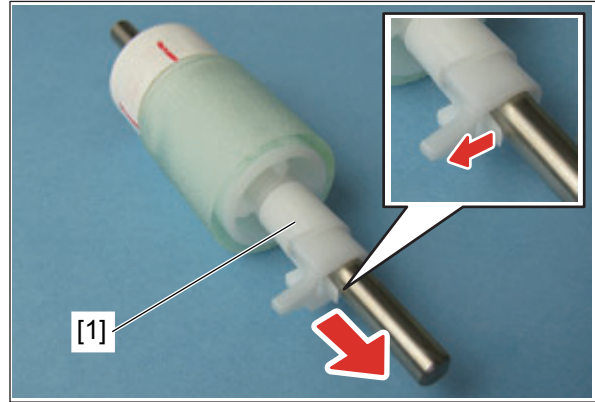


Fig. 4-790

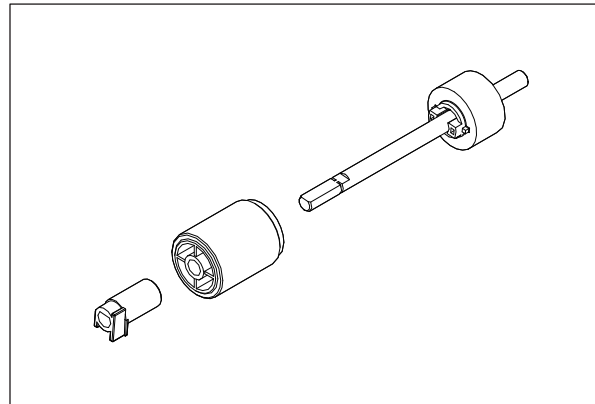


Fig. 4-791

4.11.17 Original registration roller

- (1) Take off the RADF front cover.
P. 4-257"4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
P. 4-258"4.11.3 RADF rear cover"
- (3) Loosen 1 screw.

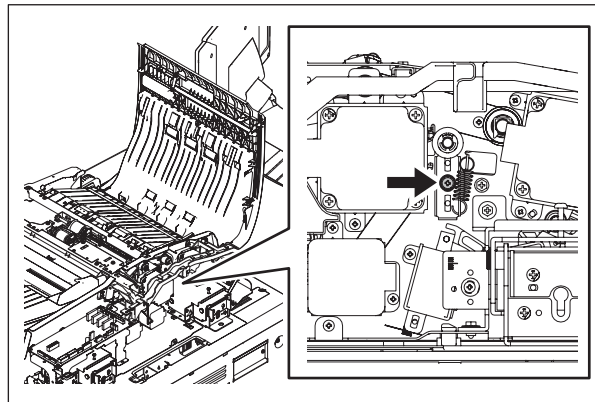


Fig. 4-792

- (4) Remove 1 clip, 1 pulley and 1 bushing.

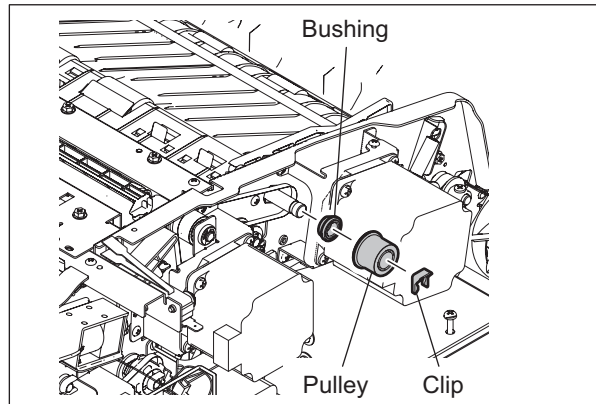


Fig. 4-793

- (5) Remove 1 clip and 1 bushing.

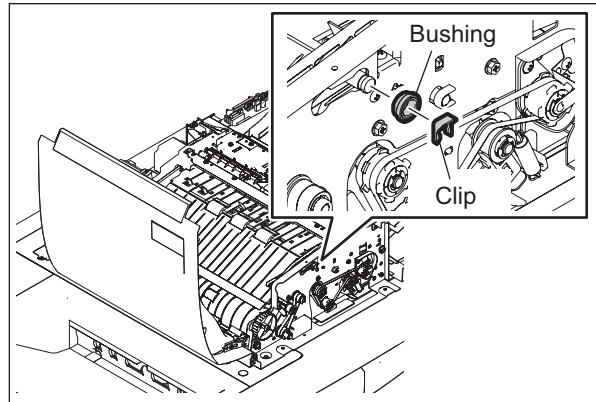


Fig. 4-794

- (6) Lift the guide. Take off the original registration roller.

Notes:

When installing the original registration roller, refix the loosened screw and tighten the belt tension.

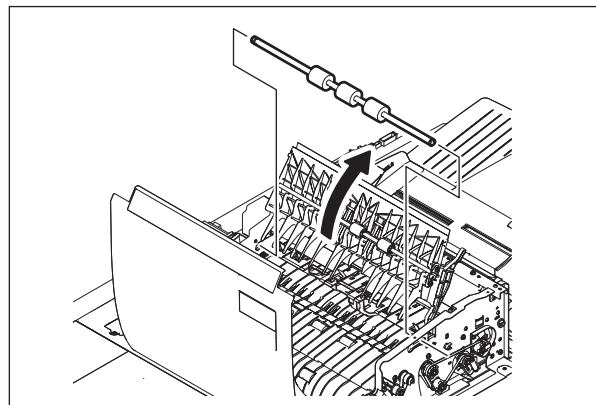


Fig. 4-795

4.11.18 Intermediate transport roller

- (1) Take off the reading start guide unit.
P. 4-263 "4.11.10 Reading start guide unit"
- (2) Loosen 1 screw.

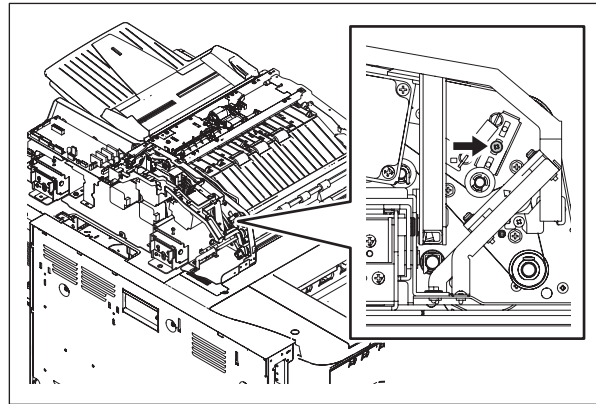


Fig. 4-796

- (3) Remove 1 screw.

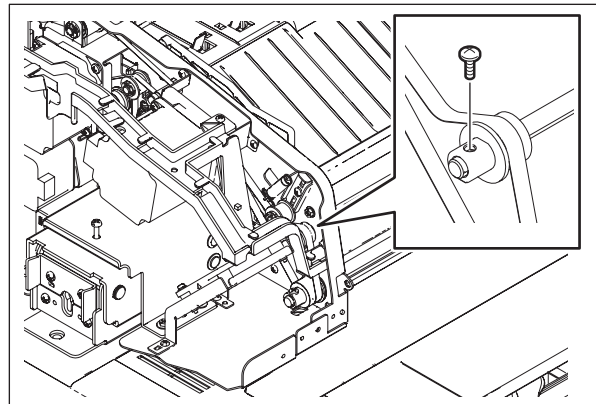


Fig. 4-797

- (4) Remove 1 E-ring and 1 bushing (front side). Slide the intermediate transport roller, remove 1 pulley and 1 bushing, and take off the intermediate transport roller.

Notes:

When installing the intermediate transport roller, refix the loosened screw and tighten the belt tension.

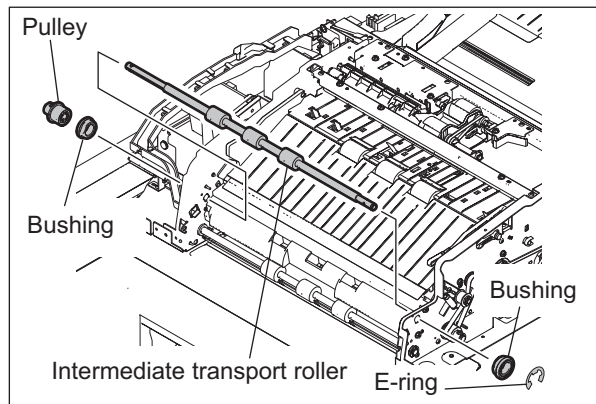



Fig. 4-798

4.11.19 Reading start roller

- (1) Take off the reading start guide unit.
 P. 4-263 "4.11.10 Reading start guide unit"
- (2) Loosen 1 screw.

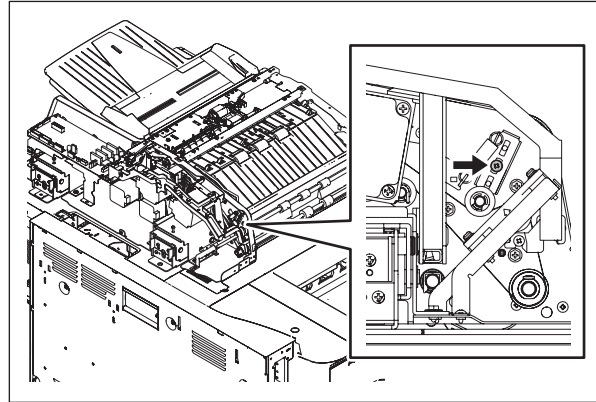


Fig. 4-799

- (3) Remove 1 screw. Remove 1 timing belt, 1 pulley and 1 bearing.

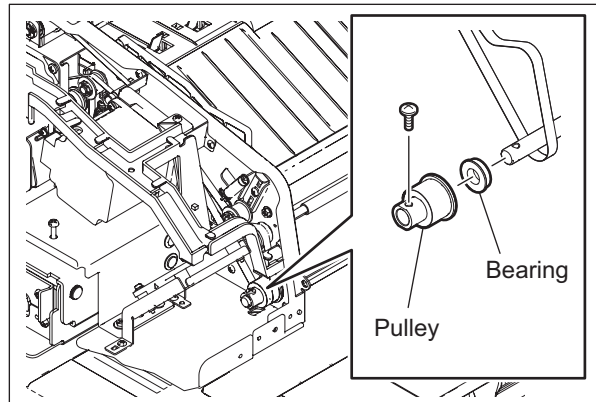


Fig. 4-800

- (4) Remove 1 E-ring and 1 bushing.

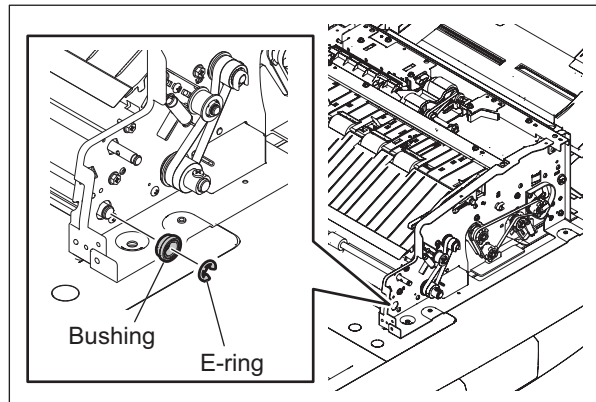


Fig. 4-801

- (5) Remove 4 screws and take off the platen guide.

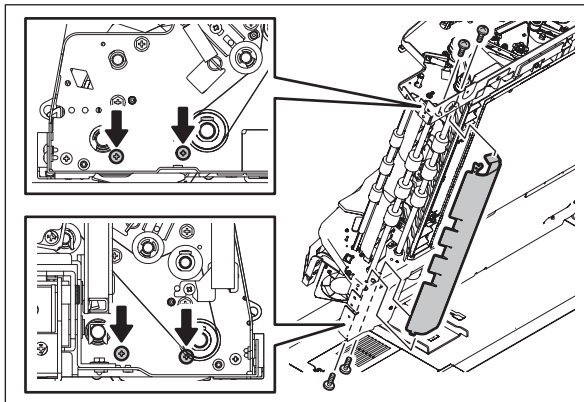


Fig. 4-802

- (6) Take off the reading start roller.

Notes:

When installing the reading start roller, refix the loosened screw and tighten the belt tension.

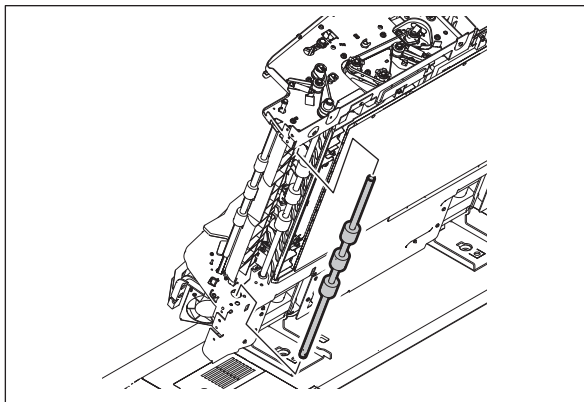


Fig. 4-803

4.11.20 Reading end roller

- (1) Take off the RADF front cover.
 P. 4-257"4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (3) Remove 1 clip and 1 bushing.

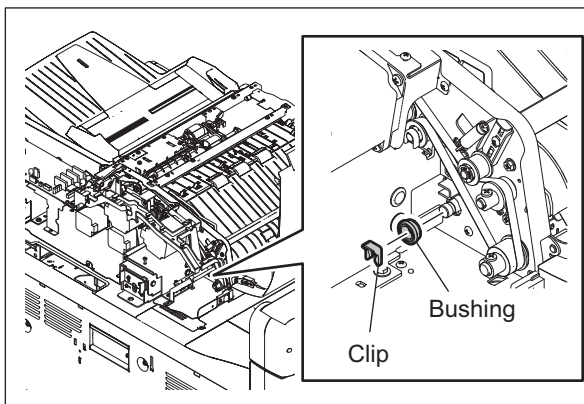


Fig. 4-804

- (4) Loosen 1 screw.

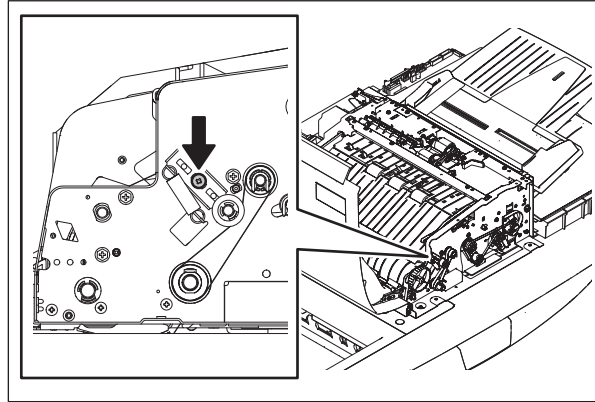


Fig. 4-805

- (5) Remove 1 screw, 1 pulley, 1 bearing and 1 timing belt.

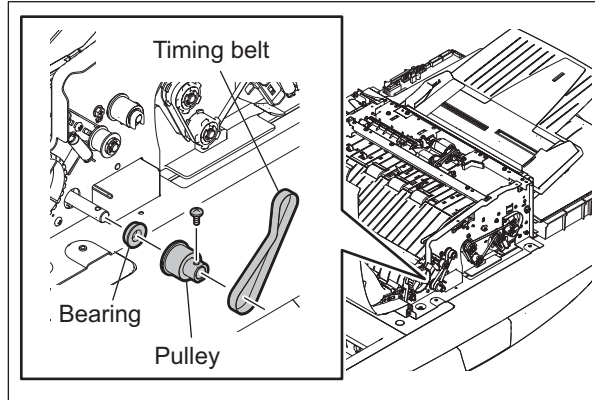


Fig. 4-806

- (6) Take off the reading end guide.
P. 4-264 "4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
(7) Take off the reading end roller.

Notes:

When installing the reading end roller, refix the loosened screw and tighten the belt tension.

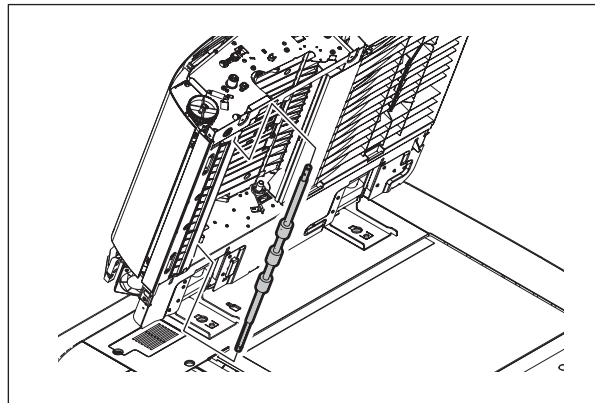


Fig. 4-807

4.11.21 Exit roller

- (1) Take off the reading end guide.
P. 4-264"4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Remove 2 screws and take off the guide.

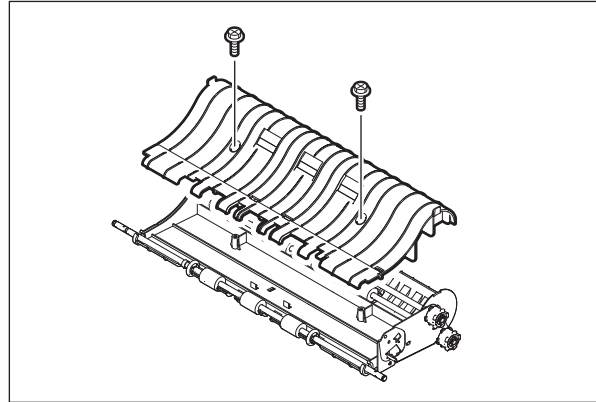


Fig. 4-808

- (3) Take off the exit roller.

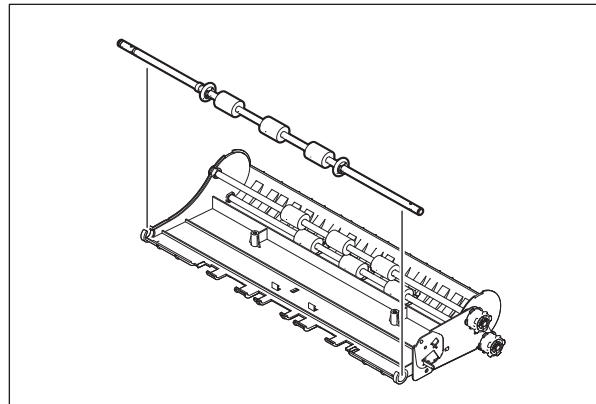


Fig. 4-809

4.11.22 Exit/reverse roller

- (1) Take off the exit/reverse guide.
P. 4-264"4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Remove 2 screws and take off the guide.

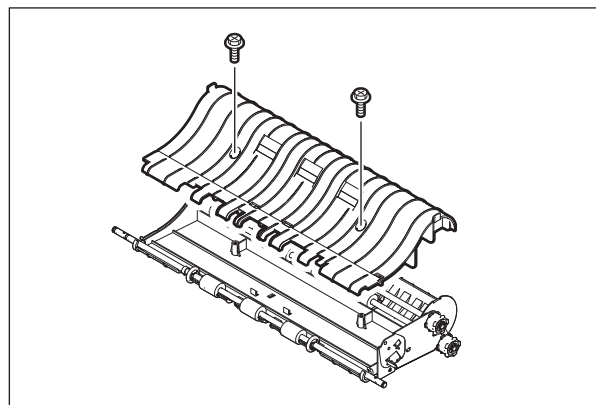


Fig. 4-810

- (3) Remove 1 E-ring, 1 pulley, 1 pin and 1 bushing.

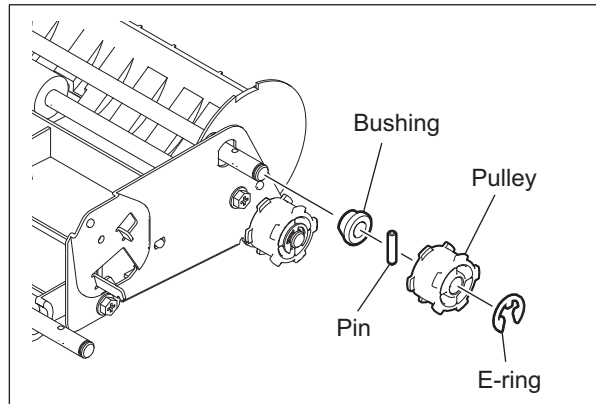


Fig. 4-811

- (4) Take off the exit/reverse roller, remove 1 E-ring and 1 bushing.

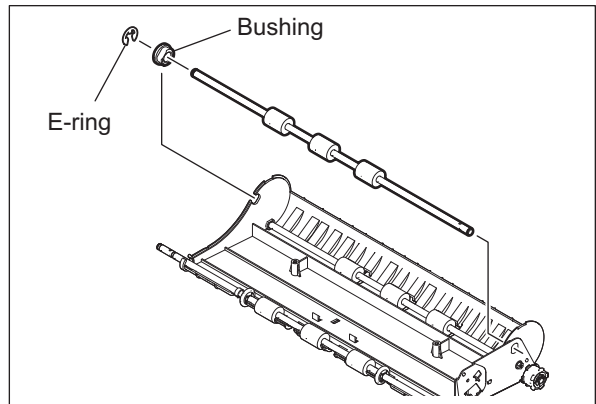


Fig. 4-812

4.11.23 Exit intermediate roller

- (1) Take off the exit/reverse guide.
P. 4-264 "4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Remove 2 screws and take off the guide.

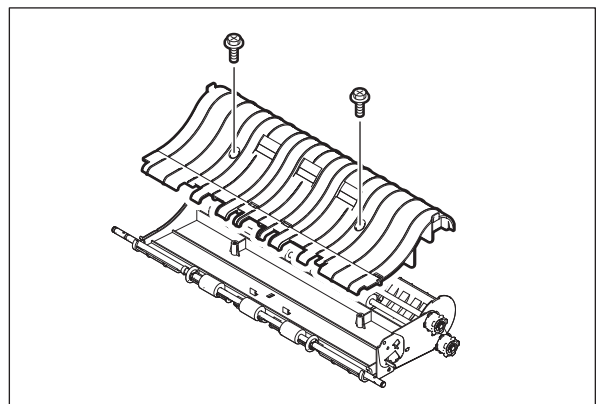


Fig. 4-813

- (3) Remove 1 E-ring, 1 pulley, 1 pin and 1 bushing.

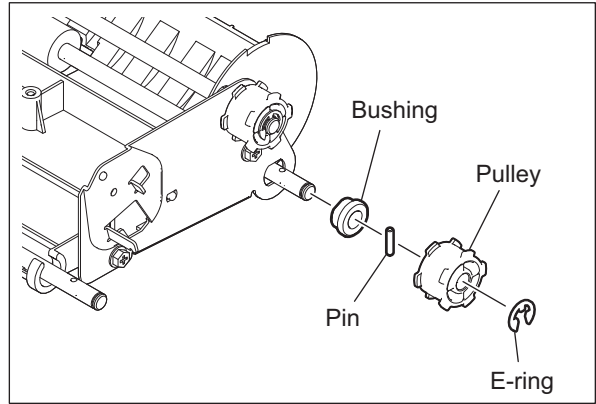


Fig. 4-814

- (4) Remove 1 E-ring and 1 bushing and take off the exit intermediate roller.

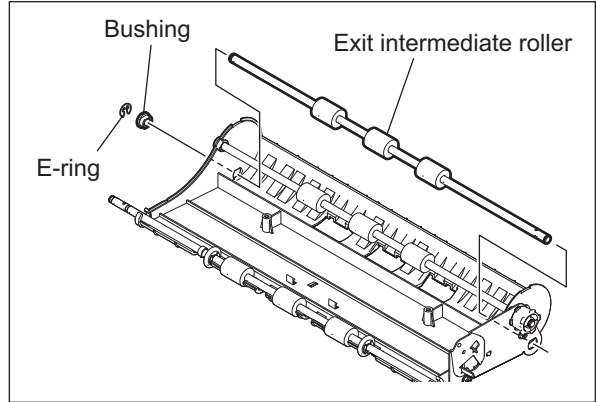


Fig. 4-815

4.11.24 Reverse roller

- (1) Take off the assembly of the exit guide and the exit/reverse guide.
 P. 4-264 "4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Remove 2 screws and take off the 2 leaf springs.

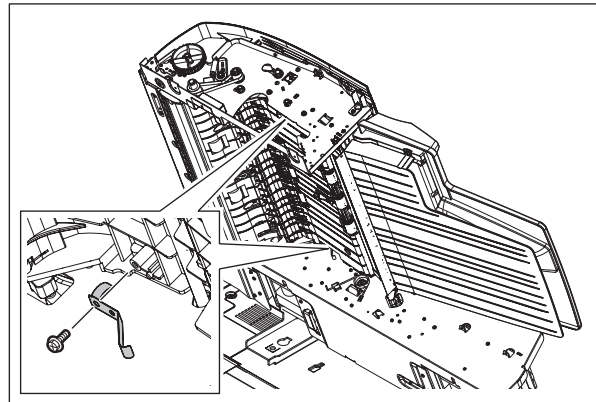


Fig. 4-816

- (3) Remove 3 screws and take off the upper reverse guide.

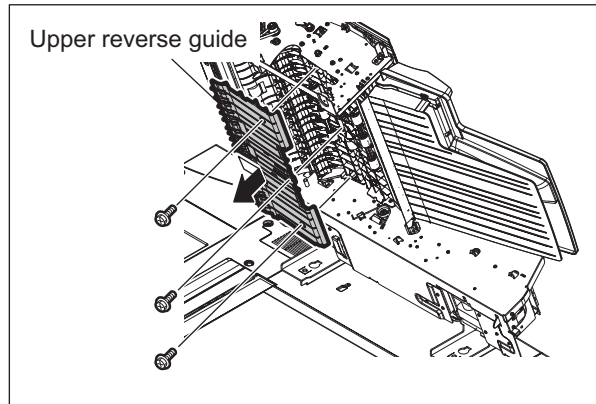



Fig. 4-817

- (4) Take off the original feed motor bracket with the motor.

 P. 4-281 "4.11.26 Original feed motor bracket"

- (5) Remove 1 clip, 1 pulley, 1 pin and 1 bushing.

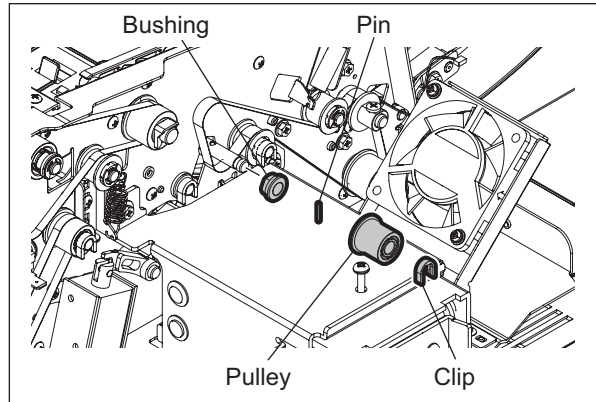


Fig. 4-818

- (6) Remove 1 clip and 1 bushing.

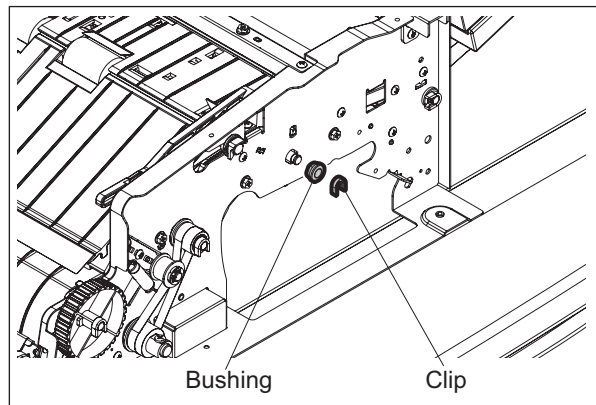


Fig. 4-819

- (7) Remove the reverse roller.

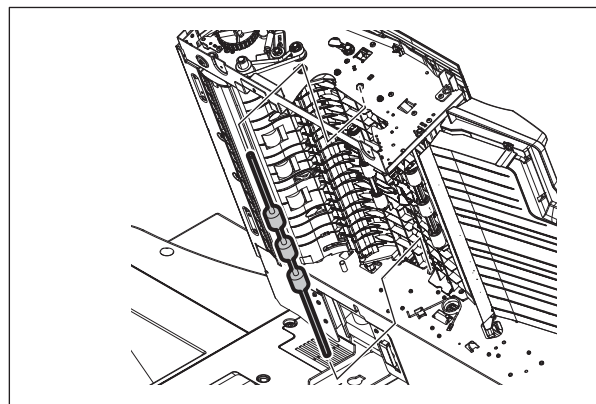


Fig. 4-820

4.11.25 Original feed motor (MR1)

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Loosen 1 screw.

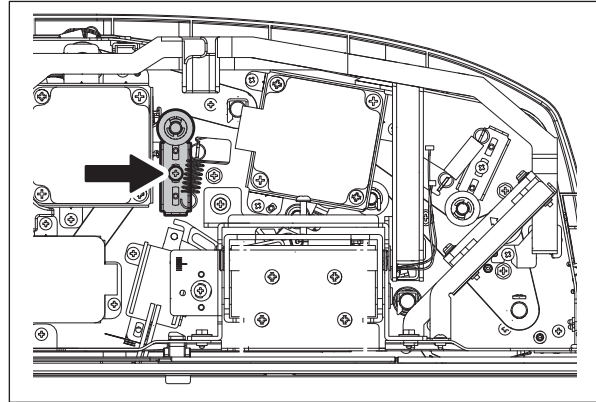


Fig. 4-821

- (3) Disconnect 1 connector, remove 2 screws and take off the original feed motor.

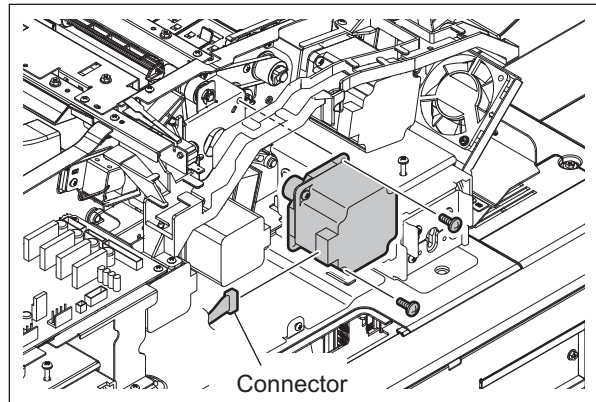


Fig. 4-822

4.11.26 Original feed motor bracket

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Loosen 1 screw.

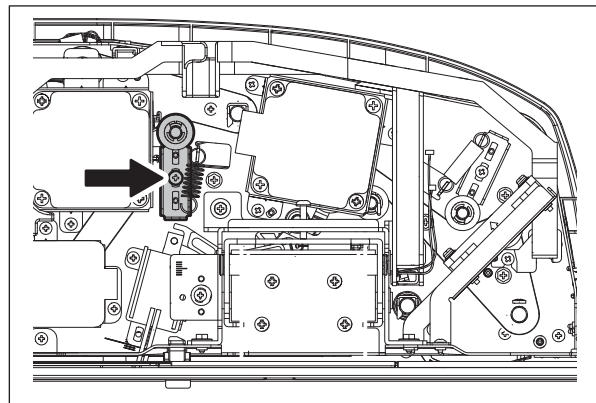


Fig. 4-823

- (3) Remove 1 E-ring and 1 bushing.

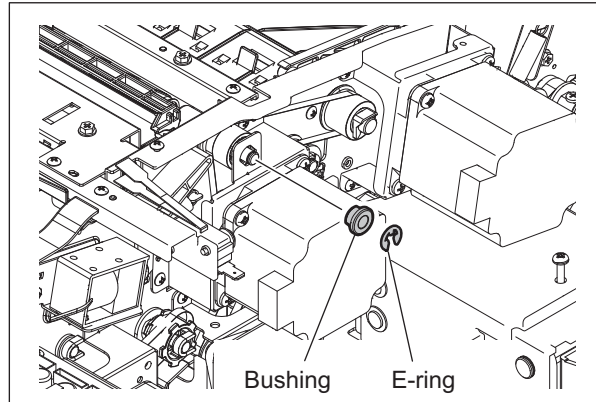


Fig. 4-824

- (4) Disconnect 1 connector.
- (5) Remove 3 screws and take off the original feed motor bracket with the motor.

Notes:

When installing the original feed motor bracket, re-fix the loosened screw and tighten the belt tension.

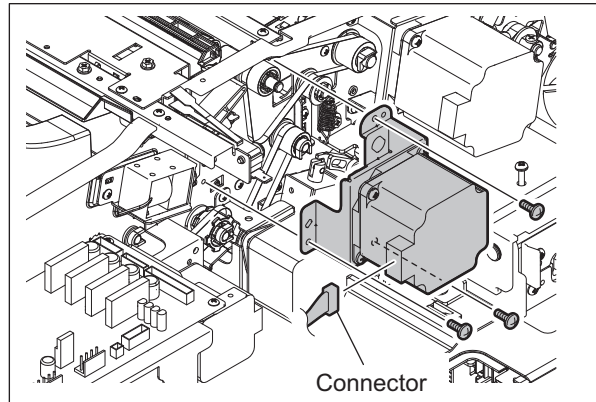


Fig. 4-825

4.11.27 Read motor (MR2)

- (1) Take off the RADF rear cover.
P. 4-258 "4.11.3 RADF rear cover"
- (2) Loosen 1 screw.

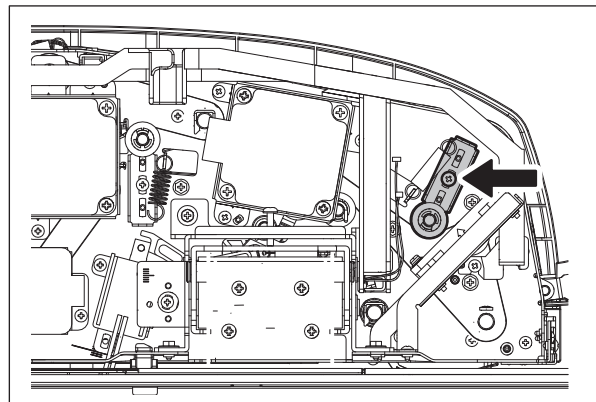


Fig. 4-826

- (3) Disconnect 1 connector.
- (4) Remove 3 screws and take off the read motor.

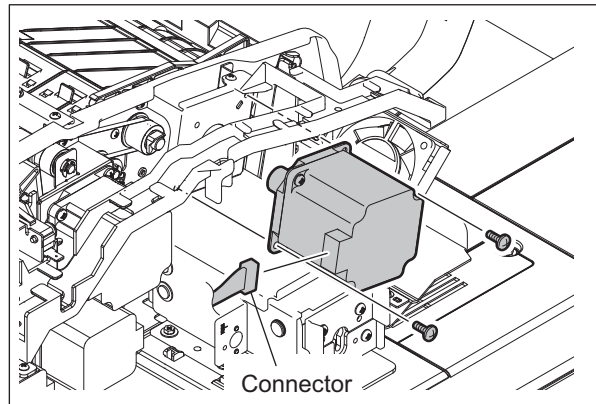


Fig. 4-827

4.11.28 Read motor bracket

- (1) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (2) Loosen 1 screw.

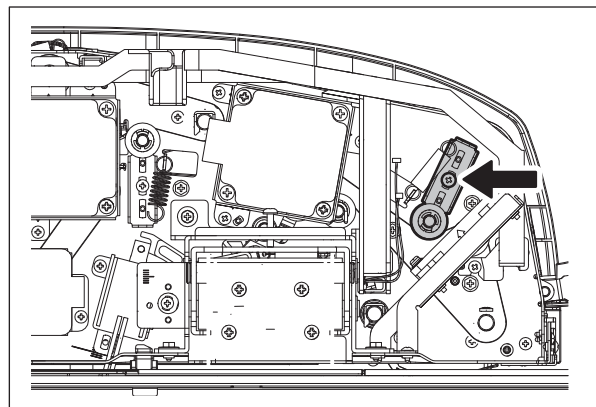


Fig. 4-828

- (3) Disconnect 1 connector.
- (4) Remove 3 screws and take off the read motor bracket with the motor.

Notes:

When installing the read motor bracket, refix the loosened screw and tighten the belt tension.

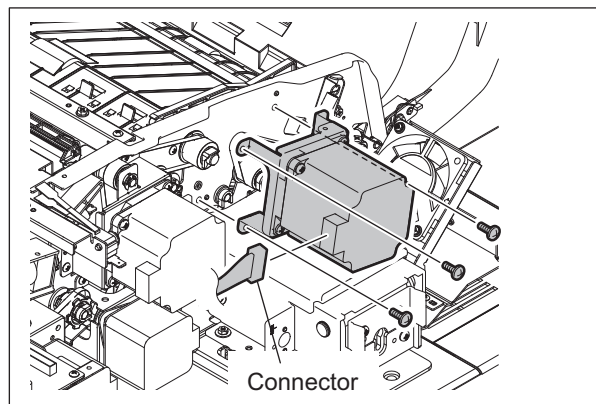


Fig. 4-829

4.11.29 Original reverse motor (MR3)

- (1) Take off the RADF rear cover.
P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector.
- (3) Remove 3 screws and take off the original reverse motor with the bracket.

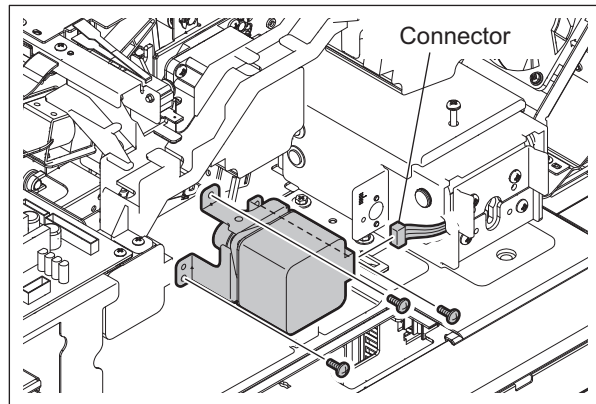


Fig. 4-830

- (4) Remove 2 screws and take off the bracket from the original reverse motor.

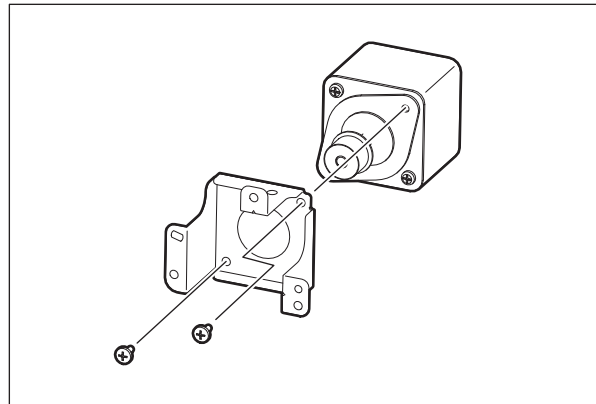


Fig. 4-831

4.11.30 Original exit motor (MR4)

- (1) Take off the RADF rear cover.
P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector [1].
- (3) Remove 1 spring [2].
- (4) Loosen 2 screws [3].

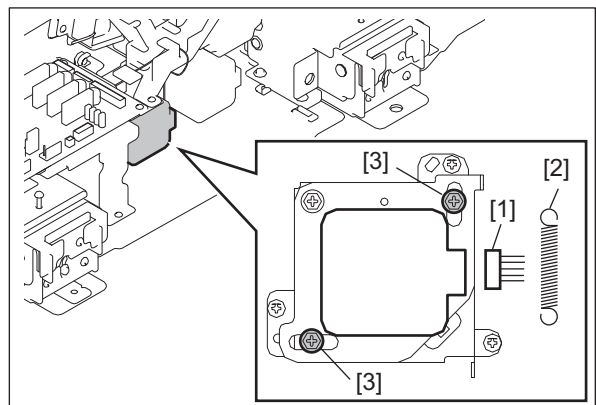


Fig. 4-832

- (5) Remove 3 screws and take off the original exit motor with the bracket.

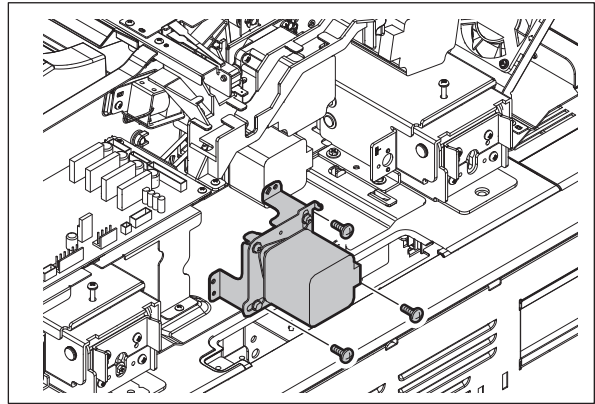


Fig. 4-833

- (6) Remove 2 screws and take off the bracket from the original exit motor.

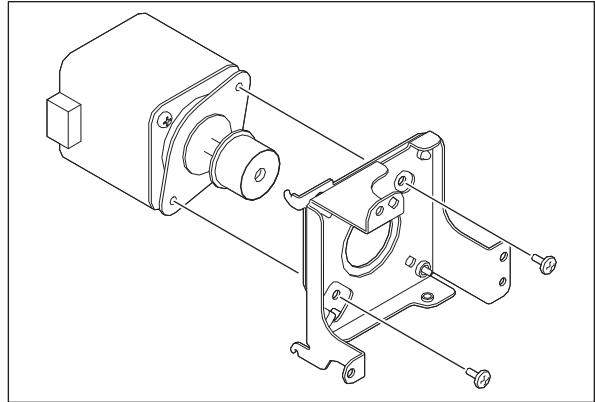


Fig. 4-834

Notes:

When replacing the original exit motor or disassembling the bracket, adjust the belt tension following the procedure below.

1. Turn the plate in the direction of the arrow and fix it with 2 screws temporarily.
2. Install the bracket with the motor in the RADF.
3. Install spring [2].
4. Loosen 2 screws [1], check that the belt is made tense with the spring and then tighten them.

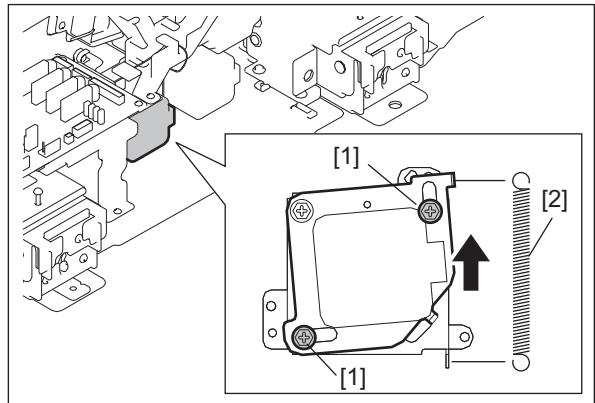


Fig. 4-835

4.11.31 RADF cooling fan (FR1)

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector.
- (3) Remove 2 screws and take off the RADF cooling fan with the bracket.

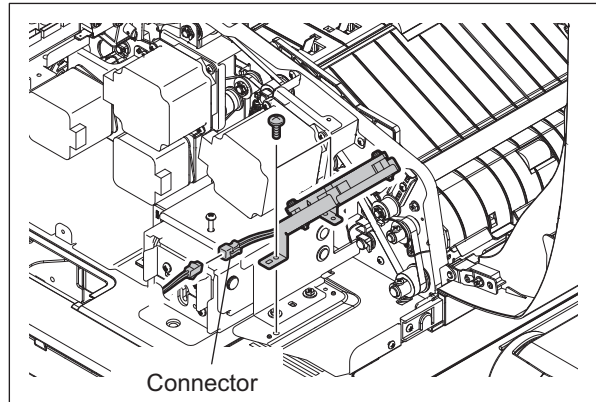


Fig. 4-836

- (4) Remove 2 screws and take off the bracket from the RADF cooling fan.

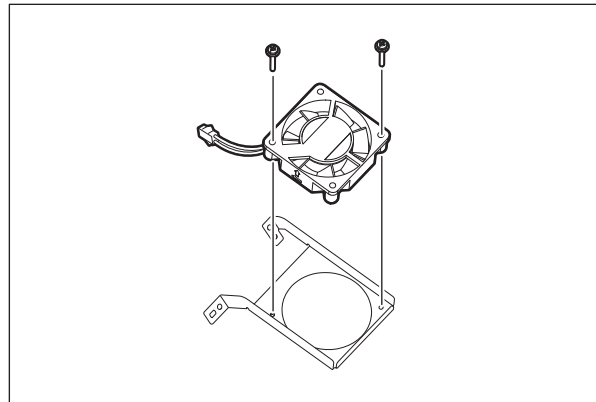


Fig. 4-837

4.11.32 Original pickup solenoid (SOLR1)

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector.
- (3) Remove 2 screws and take off the original pickup solenoid.

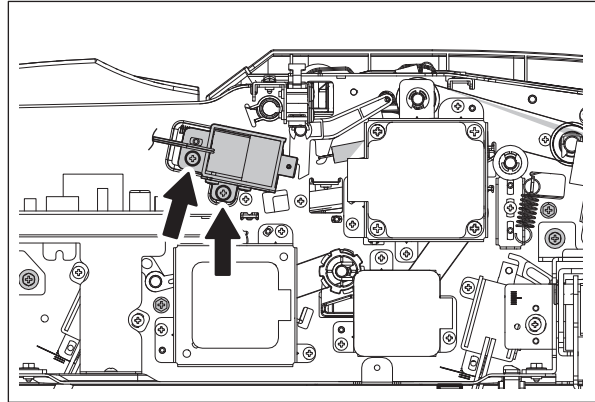


Fig. 4-838

- (4) Remove 2 screws and take off the bracket from the original pickup solenoid.

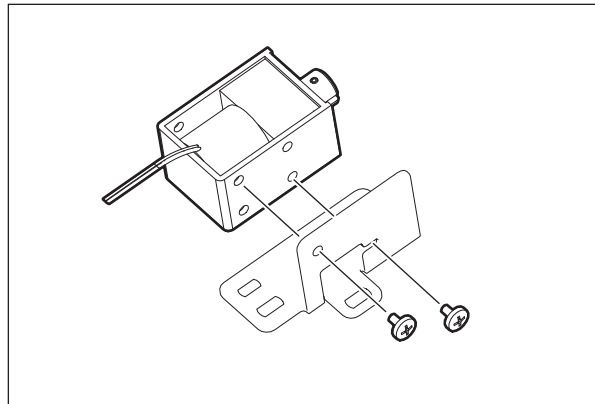


Fig. 4-839

Notes:

When installing the solenoid, check if it is aligned with the position indicated in the figure. (The scale is longer in the center.)

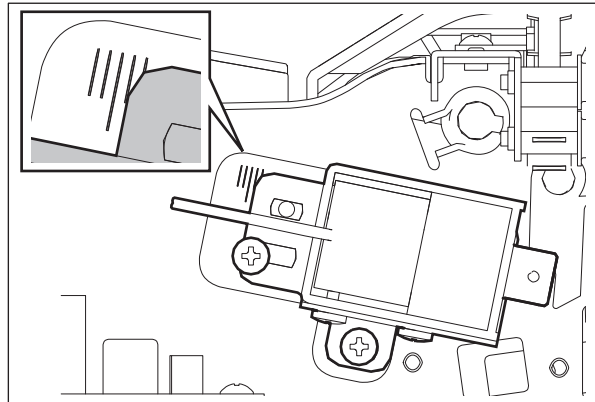


Fig. 4-840

4.11.33 Original reverse solenoid (SOLR2)

- (1) Take off the RADF rear cover.
P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector.
- (3) Remove 2 screws and take off the original reverse solenoid with the bracket.

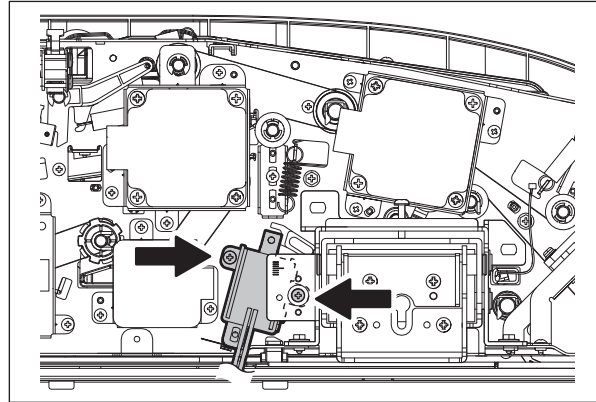


Fig. 4-841

- (4) Remove 2 screws and take off the bracket from the original reverse solenoid.

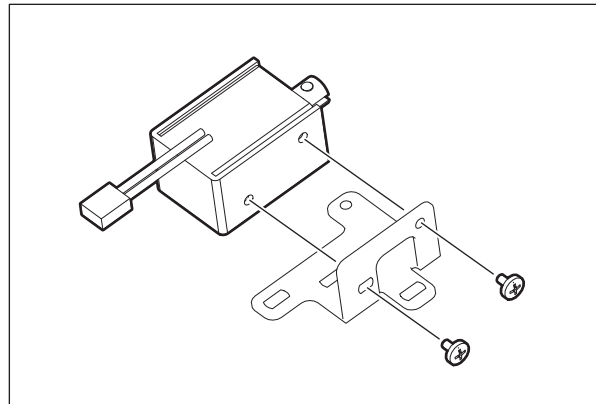


Fig. 4-842

Notes:

Before taking off the solenoid, read the scale.
When reinstalling, align it with the corresponding position on the scale.

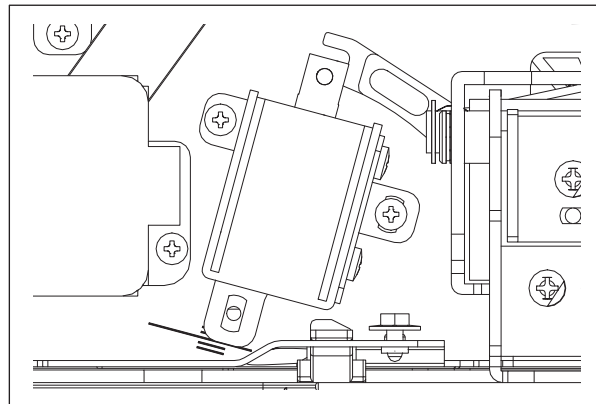


Fig. 4-843

4.11.34 Original exit solenoid (SOLR3)

- (1) Take off the RADF board bracket.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 1 connector.
- (3) Remove 2 screws and take off the original exit solenoid with the bracket.

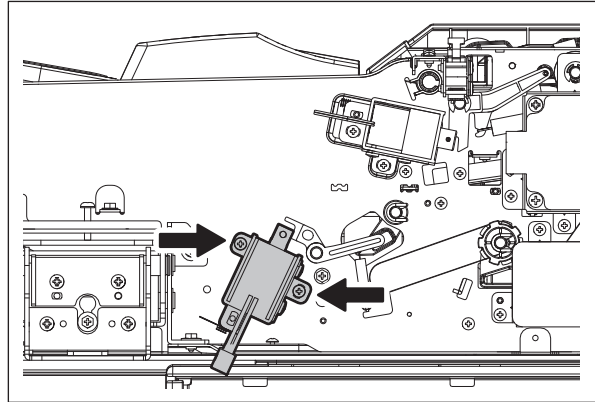


Fig. 4-844

- (4) Remove 2 screws and take off the bracket from the original exit solenoid.

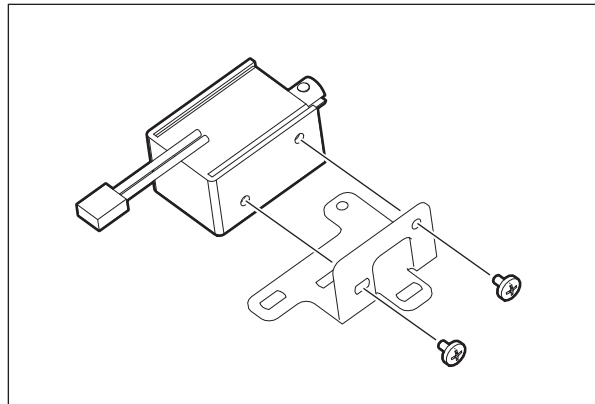


Fig. 4-845

Notes:

Before taking off the solenoid, read the scale.
When reinstalling, align it with the corresponding position on the scale.

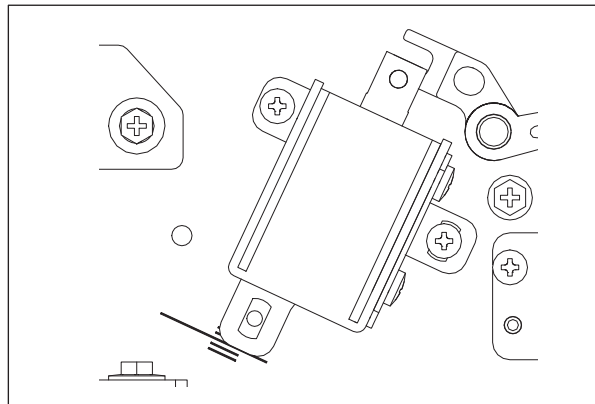


Fig. 4-846

4.11.35 Original jam access cover opening/closing switch (SWR1)

- (1) Take off the RADF board bracket.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Take off the harness guide.
📖 P. 4-281"4.11.26 Original feed motor bracket"
- (3) Disconnect 3 connectors.

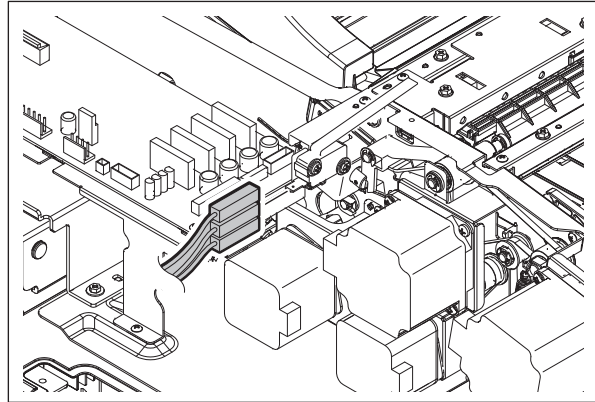


Fig. 4-847

- (4) Remove 1 screw and take off the original jam access cover opening/closing switch.

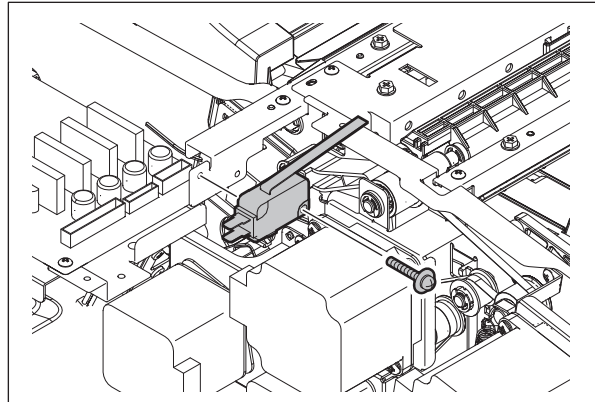


Fig. 4-848

4.11.36 RADF opening/closing switch (SWR2)

- (1) Take off the RADF board bracket.
📖 P. 4-302"4.11.55 RADF board bracket"
- (2) Disconnect 3 connectors.

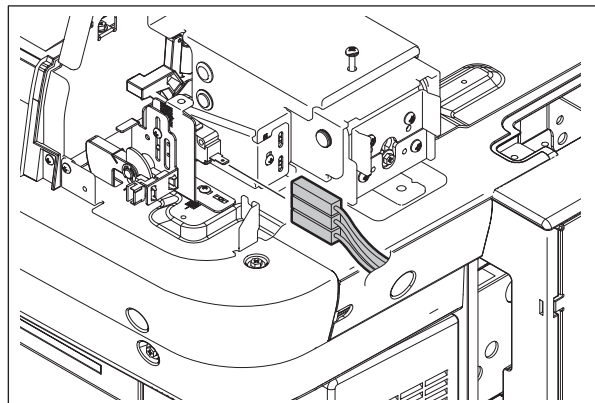


Fig. 4-849

- (3) Remove 1 screw and take off the switch bracket.

Notes:

Before taking off the switch, read the scale.
When reinstalling, align it with the corresponding position on the scale.

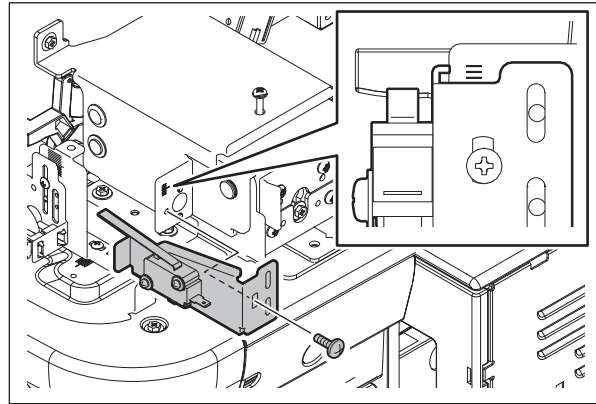


Fig. 4-850

- (4) Remove 1 screw and take off the RADF opening/closing switch.

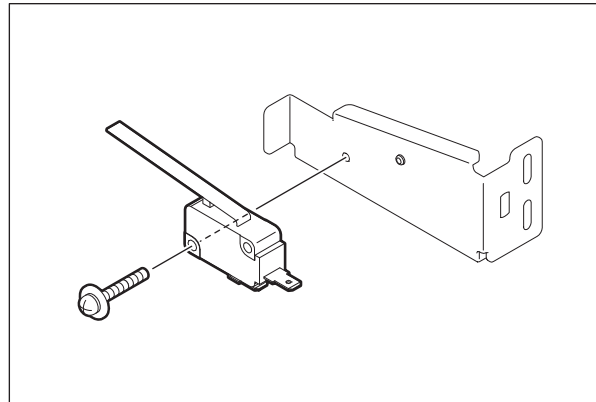


Fig. 4-851

Notes:

Be sure to install the switch so that the arm comes to the upper side of the switch.

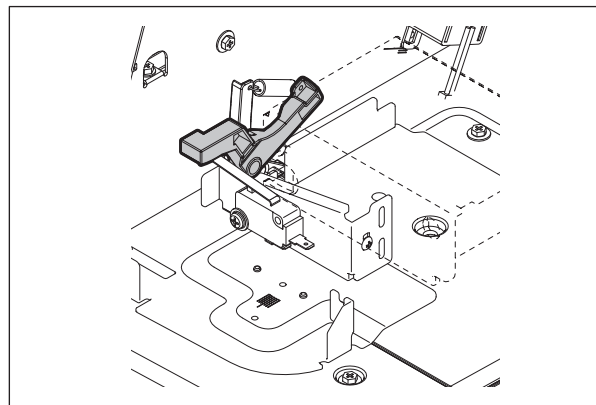


Fig. 4-852

4.11.37 RADF opening/closing sensor (SR15)

- (1) Take off the RADF rear cover.
☞ P. 4-302"4.11.55 RADF board bracket"
- (2) Open the RADF and disconnect 1 connector.
- (3) Release 2 latches and take off the RADF opening/closing sensor.

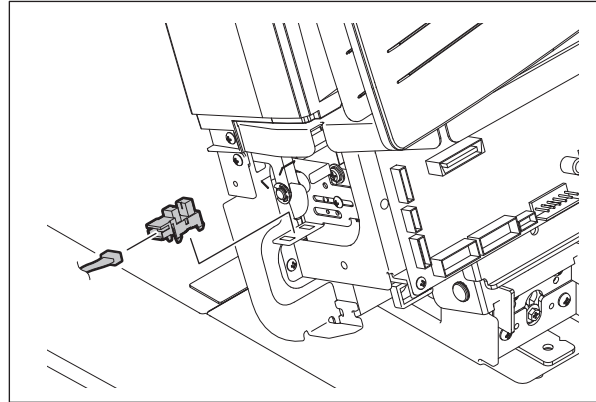


Fig. 4-853

4.11.38 Original empty sensor (SR3)

- (1) Open the original jam access cover.
- (2) Remove 4 screws and take off the sensor bracket.

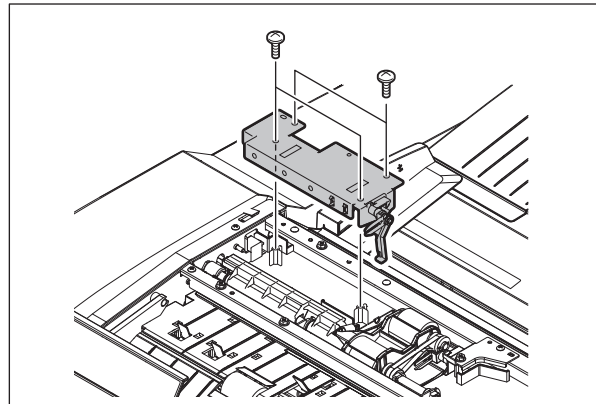


Fig. 4-854

- (3) Disconnect 1 connector. Release 2 latches and take off the original empty sensor.

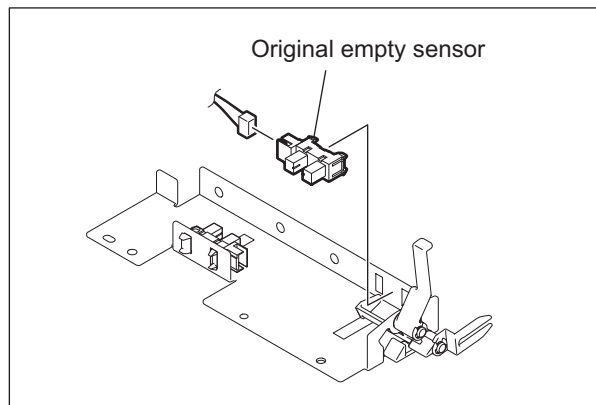


Fig. 4-855

4.11.39 Original jam access cover opening/closing sensor (SR13)

- (1) Open the original jam access cover.
- (2) Remove 4 screws and take off the sensor bracket.

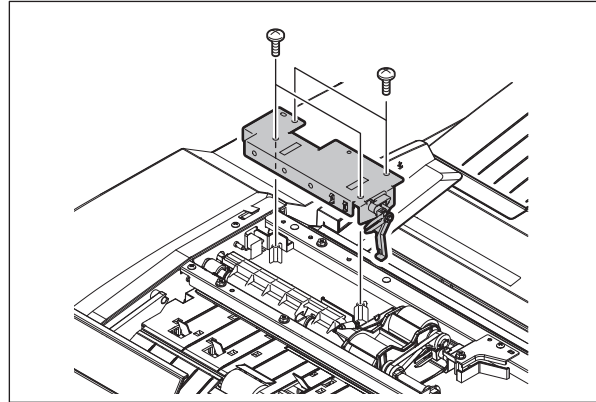


Fig. 4-856

- (3) Disconnect 1 connector. Release 2 latches and take off the original jam access cover opening/closing sensor.

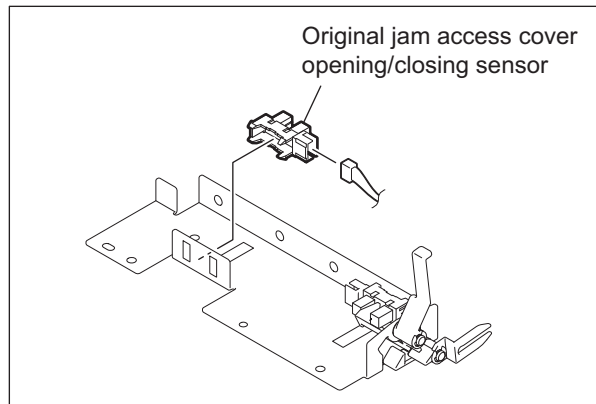


Fig. 4-857

4.11.40 Feeder lower guide unit

- (1) Take off the original tray.
P. 4-260 "4.11.6 Original tray"
- (2) Take off the guide.

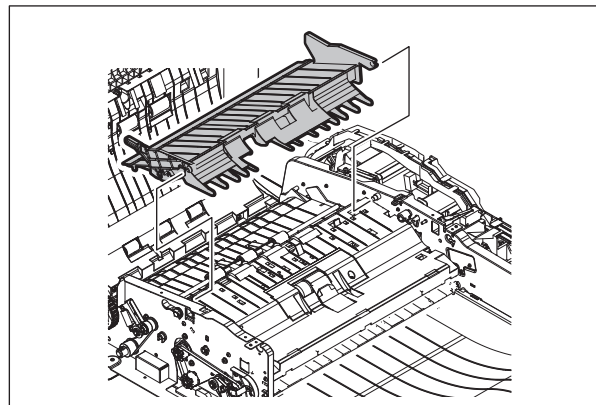


Fig. 4-858

- (3) Remove 4 screws and take off the feeder lower guide unit.

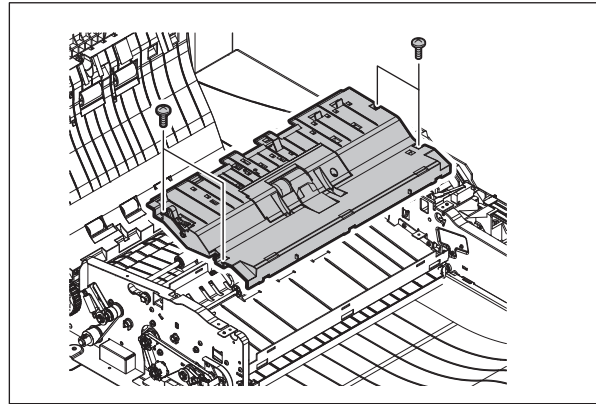



Fig. 4-859

4.11.41 Original width detection sensor-3 (SR8)

- (1) Take off the feeder lower guide unit.
 P. 4-293"4.11.40 Feeder lower guide unit"
- (2) Disconnect 1 connector. Lift the actuator, release 2 latches and take off the original width detection sensor-3.

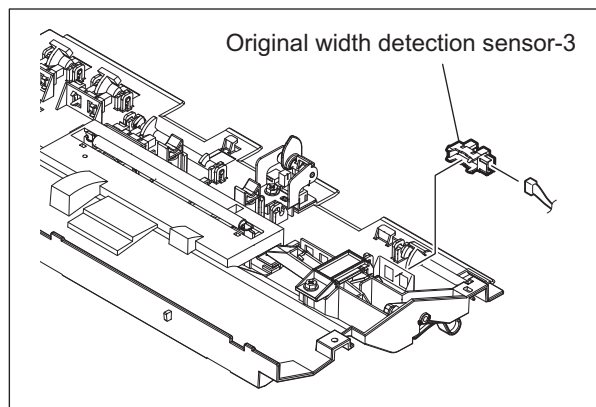



Fig. 4-860

4.11.42 Original width detection sensor-2 (SR7)

- (1) Take off the feeder lower guide unit.
 P. 4-293"4.11.40 Feeder lower guide unit"
- (2) Disconnect 1 connector. Lift the actuator, release 2 latches and take off the original width detection sensor-2.

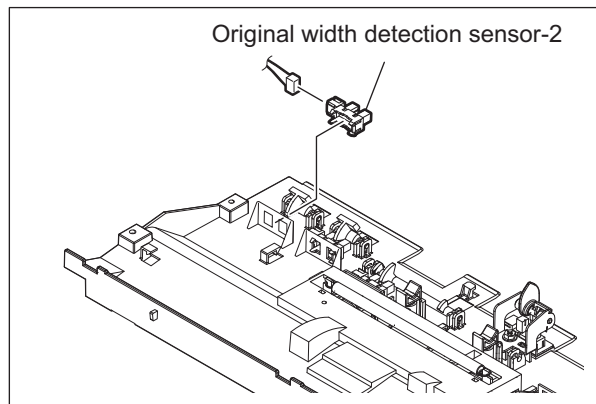


Fig. 4-861

4.11.43 Original width detection sensor-1 (SR6)

- (1) Take off the feeder lower guide unit.
📖 P. 4-293"4.11.40 Feeder lower guide unit"
- (2) Disconnect 1 connector. Lift the actuator, release 2 latches and take off the original width detection sensor-1.

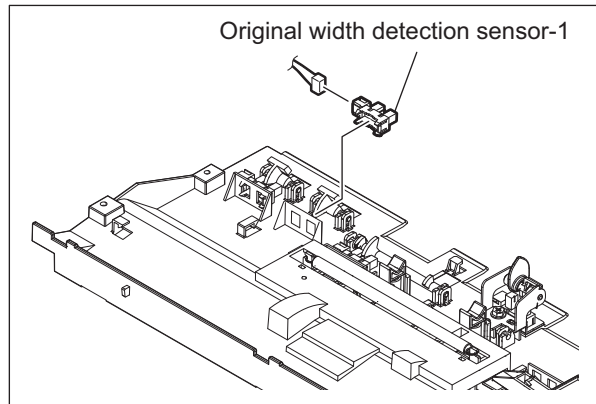


Fig. 4-862

4.11.44 Original registration sensor (SR5)

- (1) Take off the feeder lower guide unit.
📖 P. 4-293"4.11.40 Feeder lower guide unit"
- (2) Disconnect 1 connector. Release 2 latches and take off the original registration sensor.

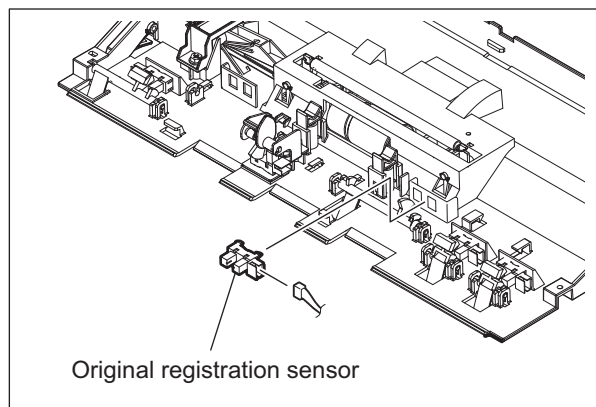


Fig. 4-863

4.11.45 Original exit sensor (SR12)

- (1) Take off the assembly of the exit guide and the exit/reverse guide.
📖 P. 4-264"4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Remove 2 screws and take off the 2 leaf springs.

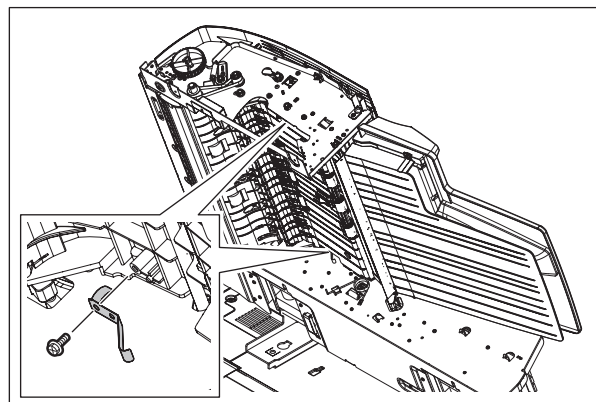


Fig. 4-864

- (3) Remove 3 screws and take off the upper reverse guide.

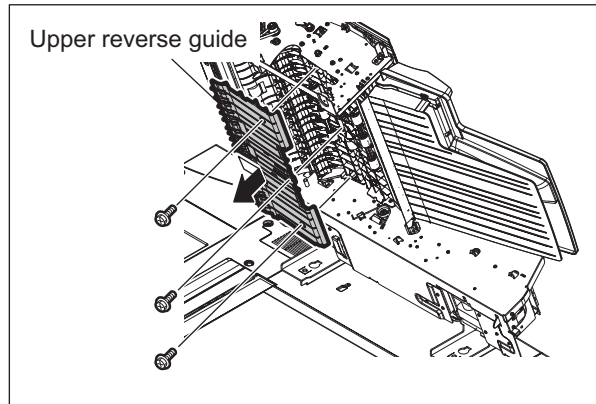


Fig. 4-865

- (4) Disconnect 1 connector. Release 2 latches and take off the original exit sensor.

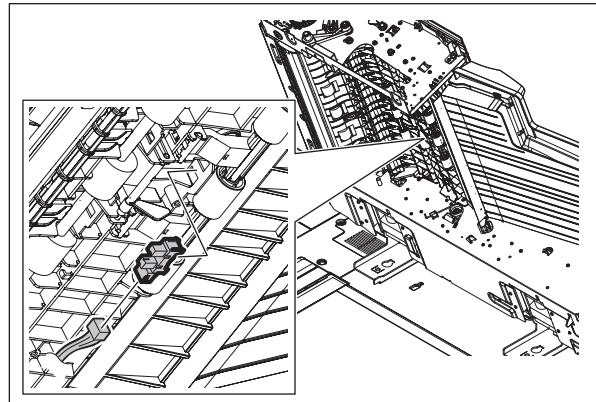


Fig. 4-866

4.11.46 Original tray sensor (SR1)

- (1) Take off the original reverse tray.
P. 4-261 "4.11.7 Original reverse tray"
- (2) Remove 2 screws and release 8 latches to take off the original side guide unit.

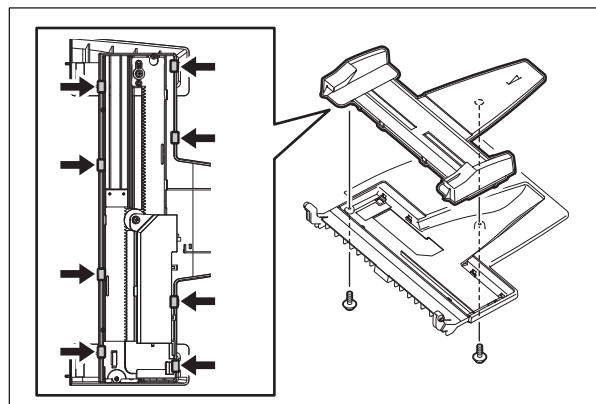


Fig. 4-867

- (3) Remove 2 screws and take off the sensor bracket.

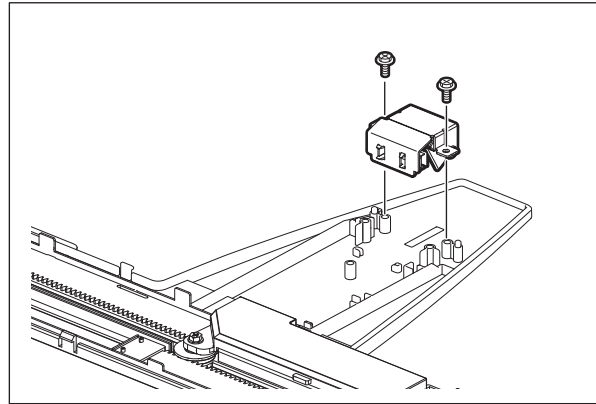


Fig. 4-868

- (4) Disconnect 1 connector. Release 2 latches and take off the original tray sensor.

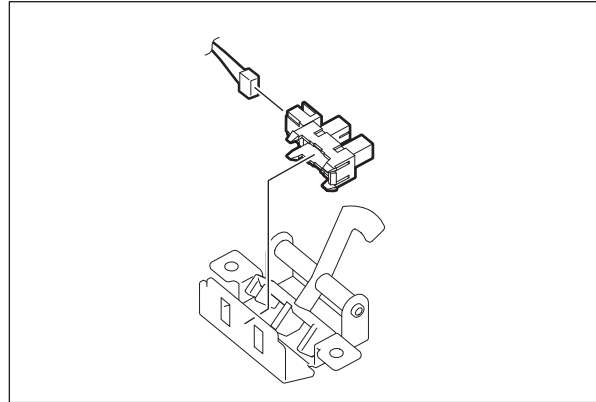


Fig. 4-869

4.11.47 Original tray width sensor (SR2)

- (1) Take off the original reverse tray.
 P. 4-261 "4.11.7 Original reverse tray"
- (2) Remove 2 screws and release 8 latches to take off the original side guide unit.

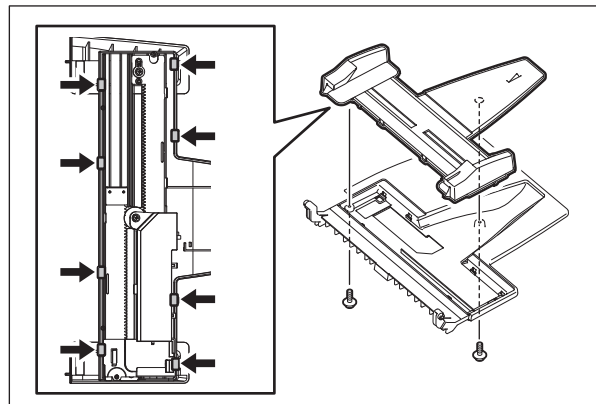


Fig. 4-870

- (3) Remove 1 screw and take off the sensor cover.

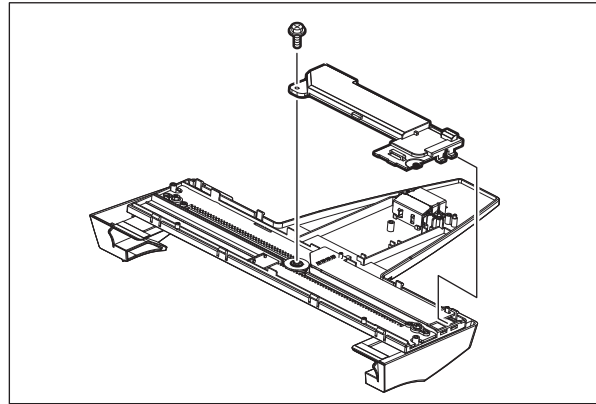


Fig. 4-871

- (4) Disconnect 1 connector and take off the original tray width sensor.

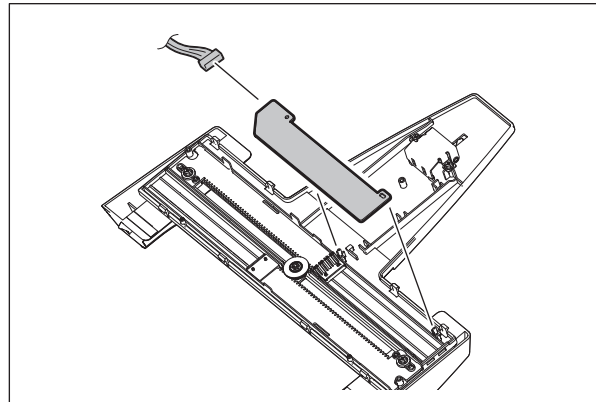


Fig. 4-872

4.11.48 Original exit/reverse sensor (SR11)

- (1) Take off the platen sheet unit.
P. 4-261 "4.11.8 Platen sheet unit"
- (2) Remove 1 screw and take off the locking lever on the front side. Remove 1 screw and take off the locking lever on the rear side. Remove 1 spring and take off the locking bracket.

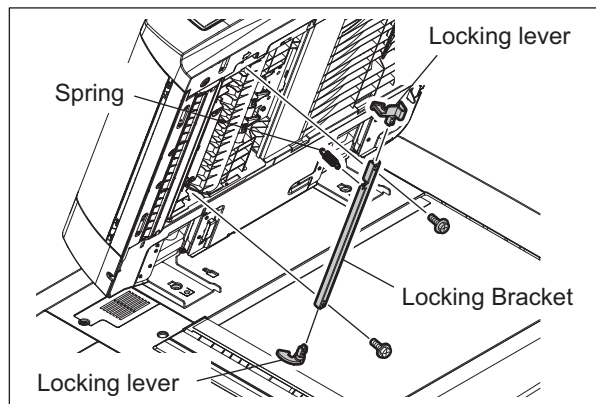


Fig. 4-873

- (3) Remove 2 screws. Disconnect 1 connector and take off the sensor bracket.

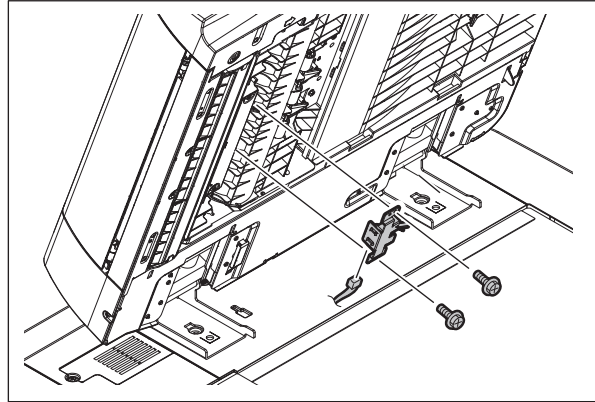


Fig. 4-874

- (4) Release 2 latches and take off the original exit/reverse sensor.

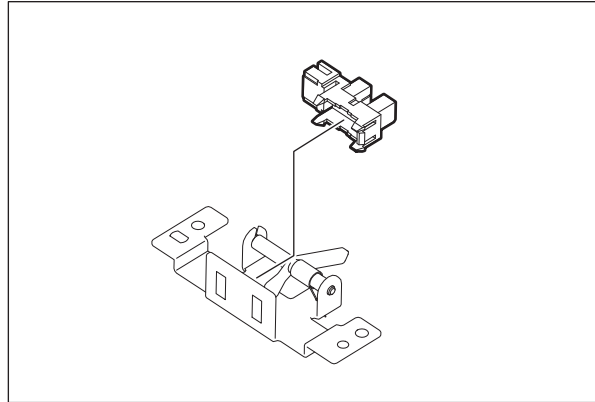


Fig. 4-875

4.11.49 Original reverse unit opening/closing sensor (SR14)

- (1) Take off the reading end guide.
 P. 4-264 "4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Disconnect 1 connector. Release 2 latches and take off the original reverse unit opening/closing sensor.

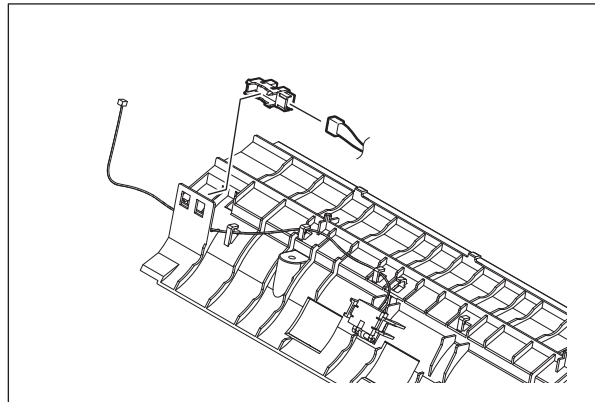


Fig. 4-876

4.11.50 Original reading end sensor (SR4)

- (1) Take off the reading end guide.
📖 P. 4-264"4.11.11 Exit guide / Exit/reverse guide / Reading end guide"
- (2) Disconnect 1 connector. Release 2 latches and take off the original reading end sensor.

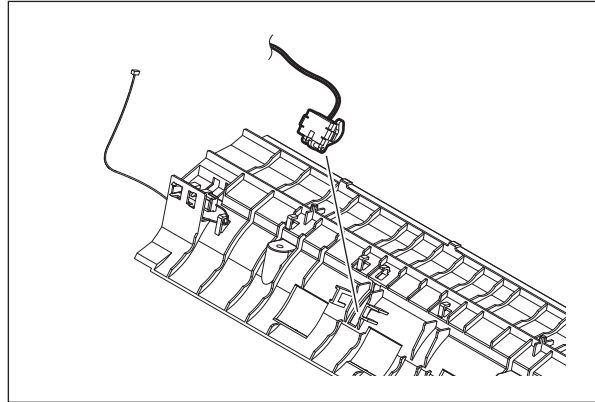


Fig. 4-877

4.11.51 Original intermediate transport sensor (SR9)

- (1) Take off the reading start guide unit.
📖 P. 4-263"4.11.10 Reading start guide unit"
- (2) Release 2 latches and take off the original intermediate transport sensor.

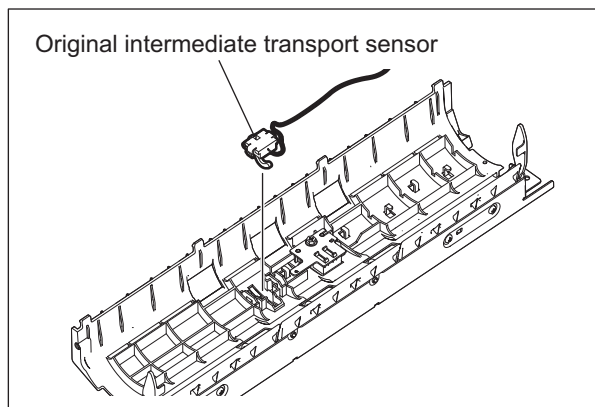


Fig. 4-878

4.11.52 Original reading start sensor (SR10)

- (1) Take off the reading start guide unit.
📖 P. 4-263"4.11.10 Reading start guide unit"
- (2) Disconnect 1 connector. Remove 1 screw and take off the sensor bracket.

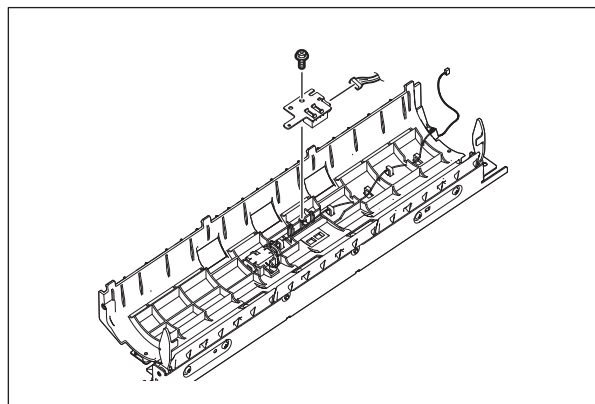


Fig. 4-879

- (3) Release 2 latches and take off the original reading start sensor.

Notes:

When replacing the original reading start sensor, be sure to perform the original reading start sensor adjustment.

📖 P. 6-126"6.12.8 Original reading start sensor adjustment"

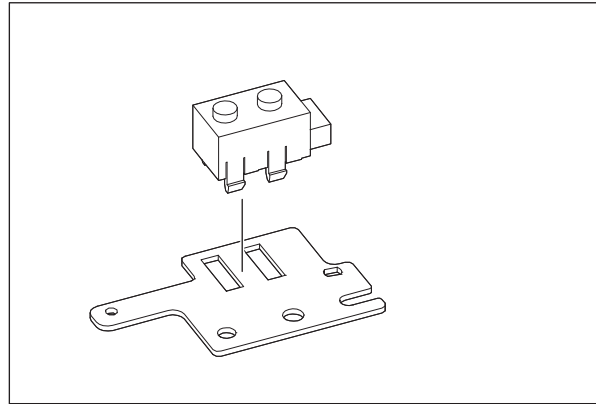


Fig. 4-880

4.11.53 Original reading start sensor (prism)

- (1) Take off the reading start guide unit.
📖 P. 4-263"4.11.10 Reading start guide unit"
- (2) Remove 4 screws and take off the stay.

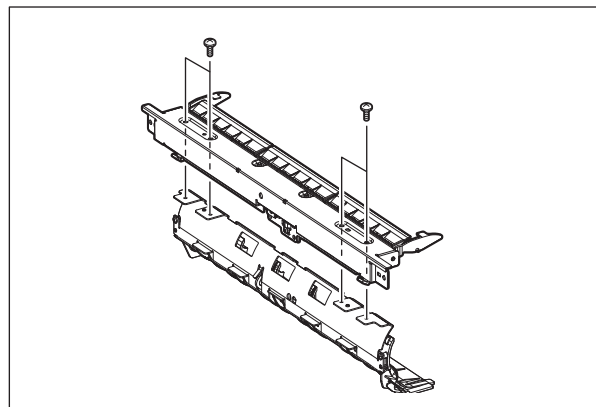


Fig. 4-881

- (3) Remove 2 screws and take off the original reading start sensor prism unit.

Notes:

When replacing the original reading start sensor, be sure to perform the original reading start sensor adjustment.

📖 P. 6-126"6.12.8 Original reading start sensor adjustment"

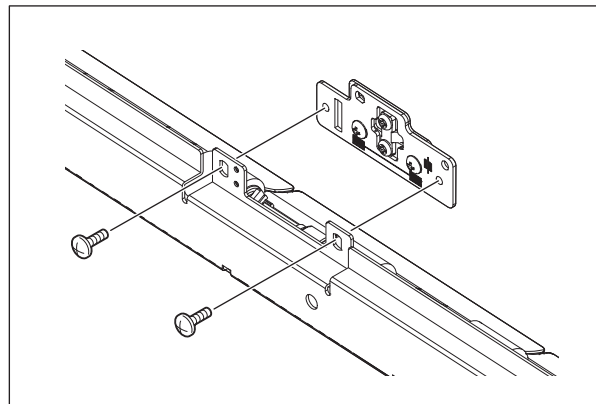




Fig. 4-882

4.11.54 RADF board (RADF)

- (1) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 11 connectors. Remove 4 screws and take off the RADF board.

Notes:

When replacing the RADF board, be sure to perform the original reading start sensor adjustment.

 P. 6-126"6.12.8 Original reading start sensor adjustment"

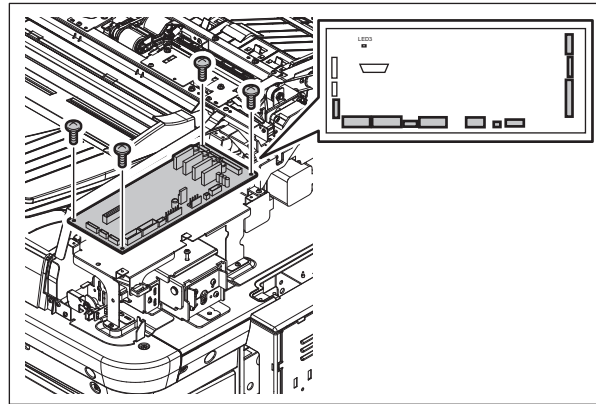



Fig. 4-883

4.11.55 RADF board bracket

- (1) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (2) Disconnect 11 connectors.

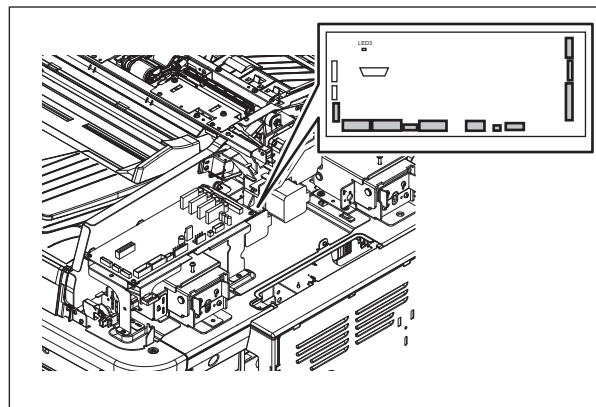


Fig. 4-884

- (3) Disconnect 1 connector. Take off the harness clamp. Remove 4 screws and take off the RADF board bracket.

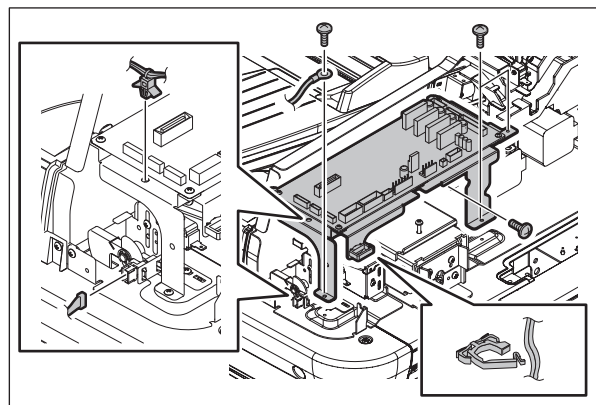


Fig. 4-885

4.11.56 Harness guide

- (1) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (2) Remove the harnesses from the harness guide.
- (3) Remove 3 screws and take off the harness guide.

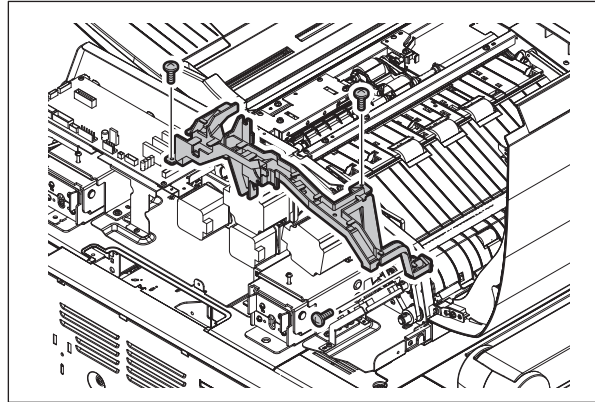


Fig. 4-886

4.12 Removal and Installation of Options

4.12.1 MP-2501L/A (Large Capacity Feeder (LCF))

- (1) Turn OFF the power and unplug the power cable.
- (2) Press the button to separate the Large Capacity Feeder (LCF) from the equipment.

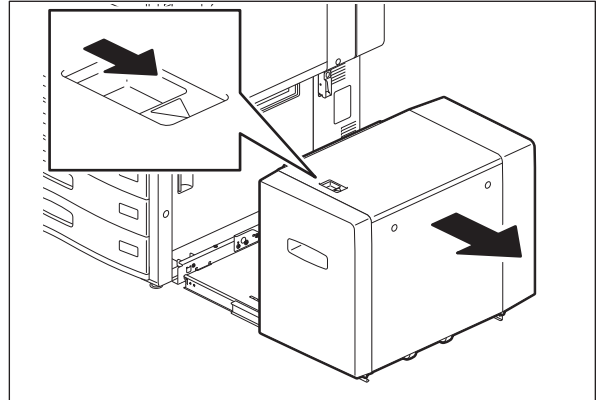


Fig. 4-1

- (3) Remove 1 screw and take off the connector cover.

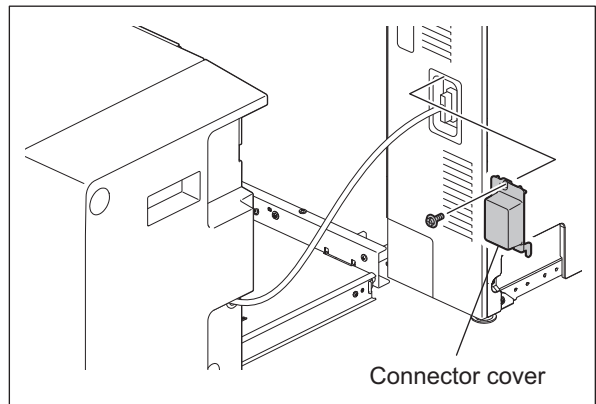


Fig. 4-2

- (4) Disconnect the interface cable of the Large Capacity Feeder (LCF).

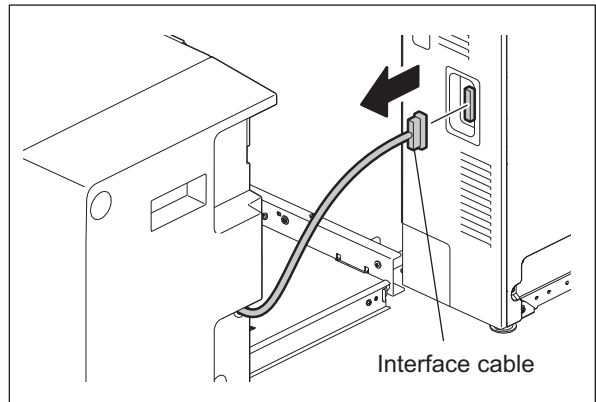


Fig. 4-3

- (5) Remove 2 fixing screws on the rear side.

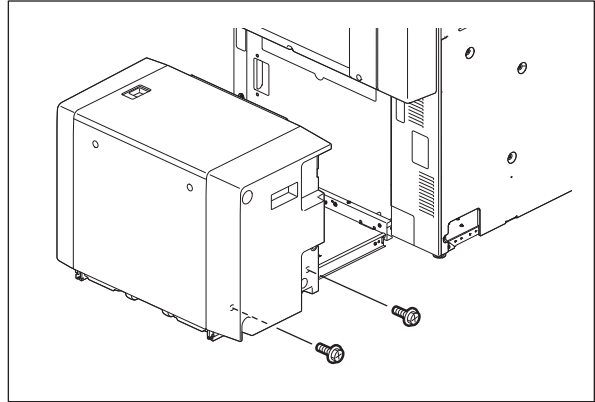


Fig. 4-4

- (6) Remove 2 fixing screws on the front side.

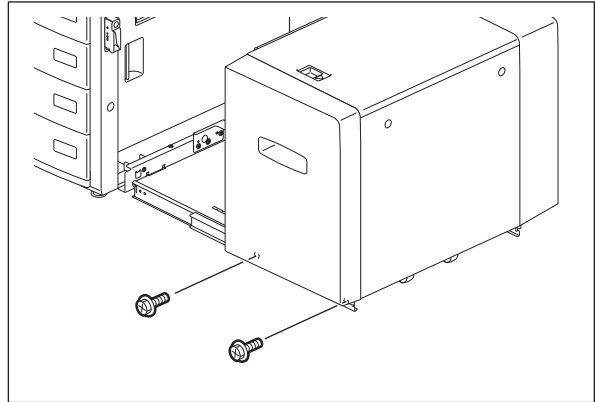


Fig. 4-5

- (7) Lift the Large Capacity Feeder (LCF) and take it off from the slide rail.

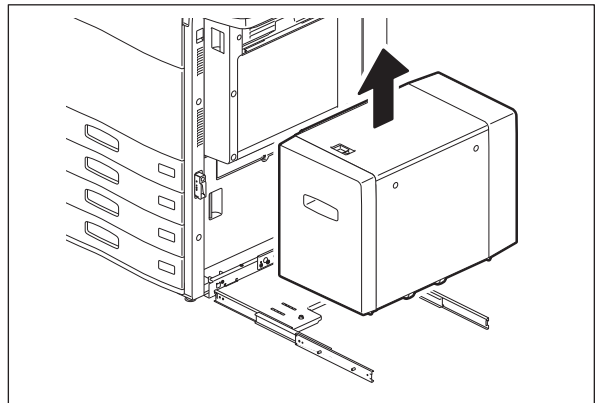


Fig. 4-6

4.12.2 MJ-1103/1104 (Finisher)

- (1) Turn OFF the power and unplug the power cable.
- (2) Take off the connector cover and disconnect the interface cable of the finisher.

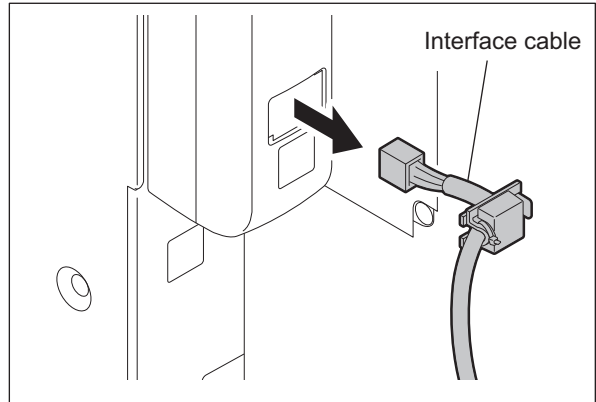


Fig. 4-7

- (3) Open the cover.

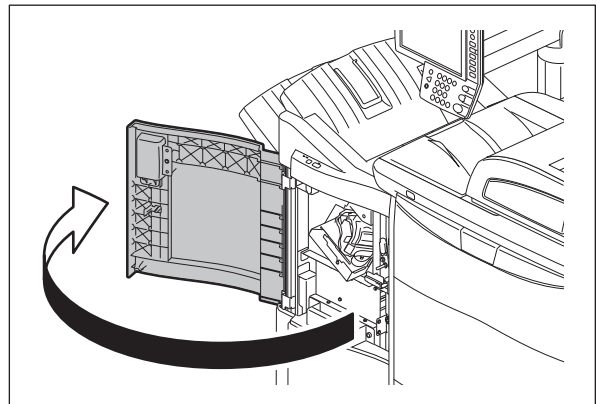


Fig. 4-8

- (4) Pull the lever to release the lock.
- (5) Separate the finisher from the equipment while pulling the lever.

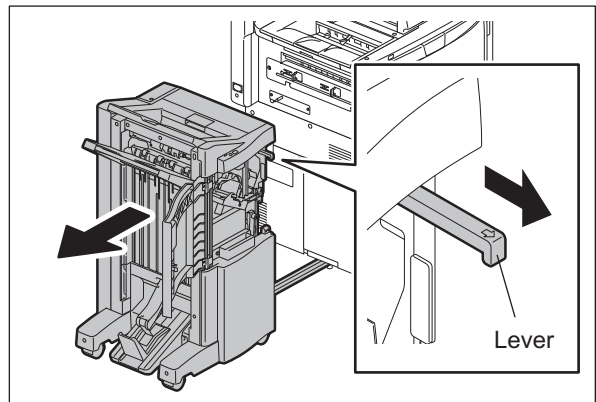


Fig. 4-9

- (6) Remove 3 screws and then take off the guide rail from the finisher.

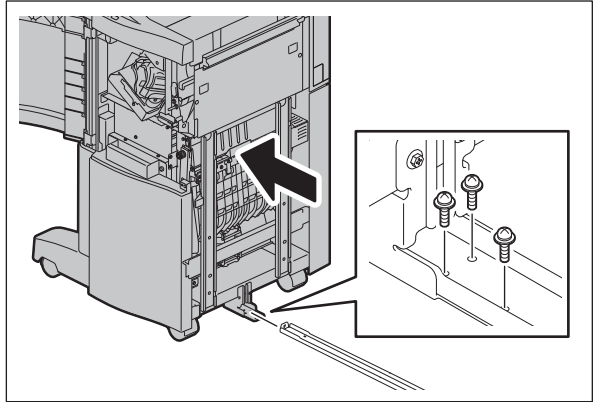


Fig. 4-10

4.12.3 MJ-6102 (Hole punch unit)

- (1) Turn OFF the power and unplug the power cable.
- (2) Take off the connector cover and disconnect the interface cable of the finisher.

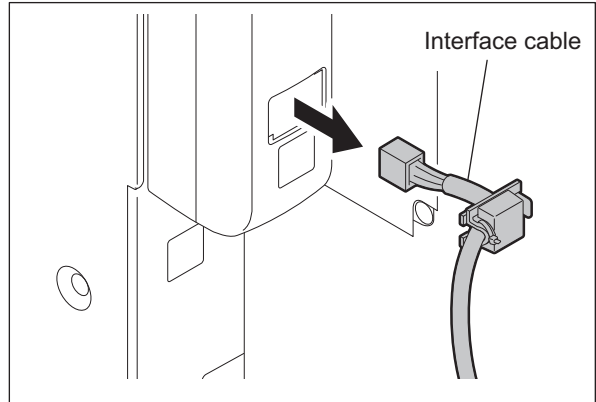


Fig. 4-11

- (3) Open the cover of the hole punch unit.
- (4) Pull the lever to release the lock.

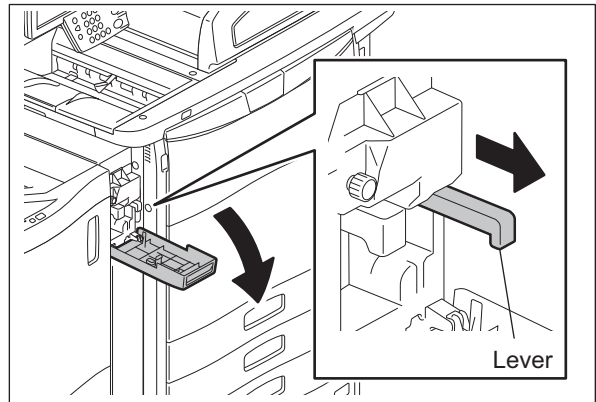


Fig. 4-12

- (5) Separate the finisher from the equipment while pulling the lever.

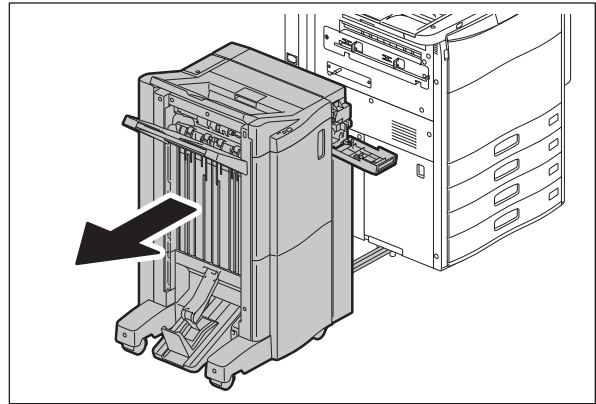


Fig. 4-13

Notes:

If MJ-1104 is used, separate the finisher and then pull out the saddle stitch unit.

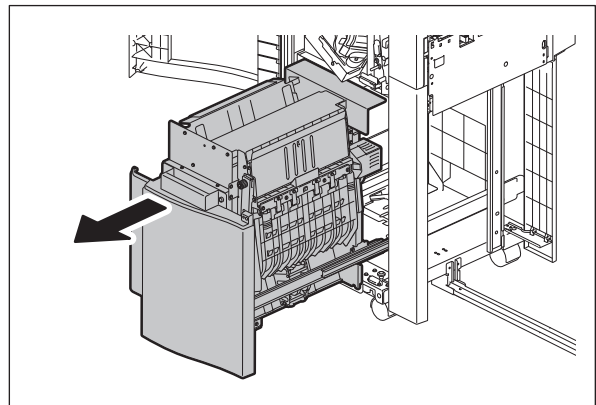


Fig. 4-14

- (6) Take off the cover.

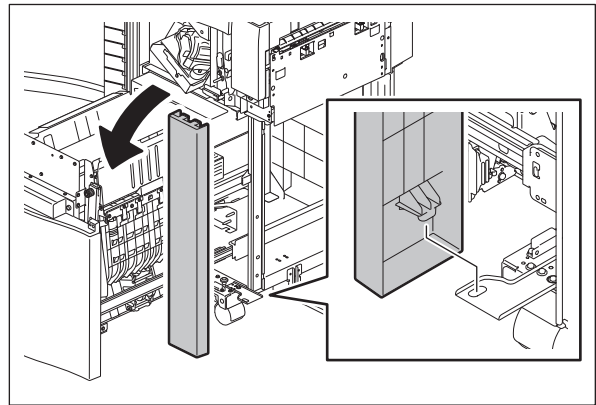


Fig. 4-15

- (7) Remove 2 screws and then take off the cover.

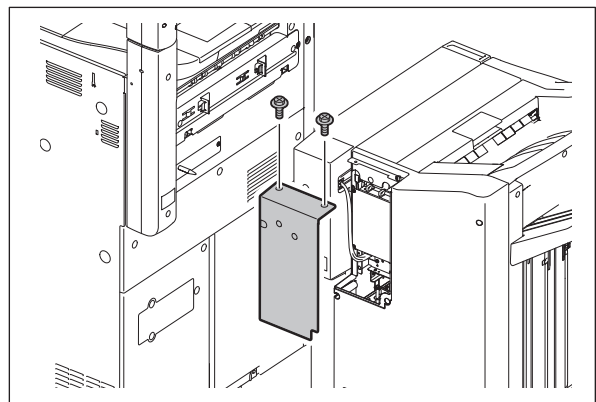


Fig. 4-16

(8) Disconnect the connector.

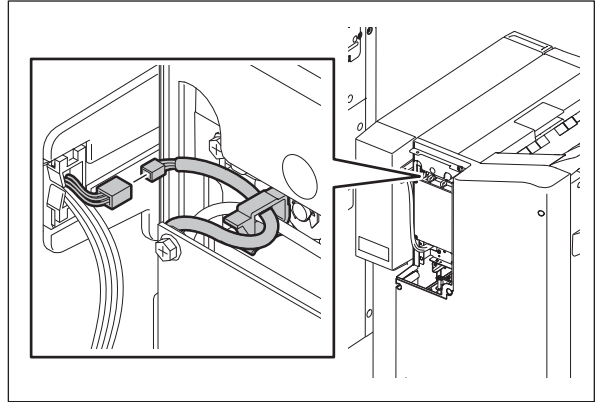


Fig. 4-17

(9) Open the cover of the finisher.

(10) Remove 2 screws and then take off the hole punch unit.

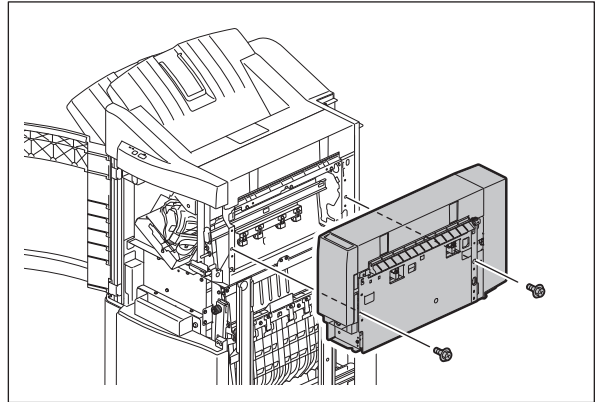


Fig. 4-18

5. SELF-DIAGNOSTIC MODE

5.1 Overview

[A] Starting each mode

To enter the desired mode, turn the power ON while pressing two digital keys designated to each mode (e.g. [0] and [5]) simultaneously. Hold the two keys until the [COPY] [e-FILING] [SCAN] [PRINT] [FAX] buttons are lit.

On the authentication screen displayed after starting up each mode, enter the service password, and then press [OK]. The password is not set by default.

Refer to Chapter 15 for the codes in Test mode (03), Test print mode (04), Adjustment mode (05), and Setting mode (08).

[B] Exiting from each mode

Shut down the equipment. When the power should be turned OFF, be sure to shut down the equipment by pressing the [ON/OFF] button for a few seconds.

[C] List of modes

Mode	For start	Contents	For exit	Display
Control panel check mode	[0] + [1] + [POWER]	All LEDs on the control panel are lit, and all the LCD pixels blink.	[POWER] OFF/ON	-
Test mode	[0] + [3] + [POWER]	Checks the status of input/output signals.	[POWER] OFF/ON	100% C TEST MODE
Test print mode	[0] + [4] + [POWER]	Outputs the test patterns.	[POWER] OFF/ON	100% P A4 TEST PRINT
Adjustment mode	[0] + [5] + [POWER]	Adjusts various items.	[POWER] OFF/ON	100% A A4 TEST MODE
Setting mode	[0] + [8] + [POWER]	Sets various items.	[POWER] OFF/ON	100% D TEST MODE
Assist mode	[3]+[C]+ [POWER]	Clears error flags or SRAM, or safely deletes data in the HDD or SRAM to support the replacement of the SYS board, SRAM or HDD.	[POWER] OFF/ON	-
HDD assist mode	[4]+[CLEAR]+ [POWER]	Assists the ADI-HDD by checking the type of the mounted HDD, reverting the HDD to a factory default or removing keys.	[POWER] OFF/ON	-
File system recovery mode	[5] + [C] + [POWER]	Checks, recovers or initializes the file system (HDD).	[POWER] OFF/ON	-
SRAM clear mode	[6]+[CLEAR]+ [POWER]	Recovers the equipment from particular errors such as F800 or F900.	[POWER] OFF/ON	-
List print mode	[9] + [START] + [POWER]	Prints various lists or outputs them in a CSV format.	[POWER] OFF/ON	100% L A4 LIST PRINT
PM support mode	[6] + [START] + [POWER]	Clears each counter.	[POWER] OFF/ON	100% 2 TEST MODE
Firmware update mode	[4] + [9] + [POWER]	Performs firmware update with USB media.	[POWER] OFF/ON	-
	[8] + [9] + [POWER]	Performs firmware update with download jig.	[POWER] OFF/ON	-
Password reset mode	[4] + [8] + [9] + [POWER]	Resets the administrator password and service password.	[POWER] OFF/ON	-

Notes:

The following modes cannot be carried out since they are provided only for production.

- [2]+[CLEAR]+[POWER]
- [7]+[CLEAR]+[POWER]
- [8]+[CLEAR]+[POWER]

The menu below can be carried out in the following mode; however, there is no effect on the equipment even if it is done.

- [9]+[CLEAR]+[POWER]
- 0. Turn Line Mode ON
- 1. Turn Line Mode OFF
- 3. Restore Machine Information

[D] State transition diagram of self-diagnosis modes

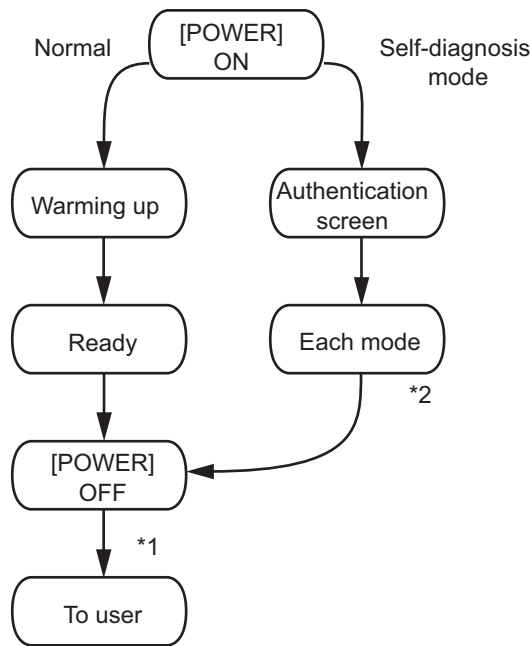


Fig.5-1

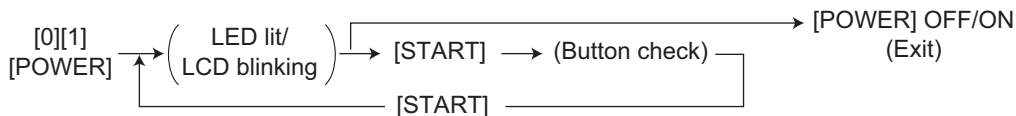
*1 If you have used a self-diagnostic mode, turn the power OFF before the customer starts using the equipment

*2 Mode shown in the table "[C] List of modes"

[E] About each mode

- Control panel check mode (01)

Operation procedure



Notes:

- A mode can be cancelled by [POWER] OFF/ON when the LED is lit and the LCD is blinking.
- Button Check
Buttons with LED: Press to turn OFF the LED.
Buttons without LED: Press to display the message on the control panel.

Button on touch panel: Press to display the initial screen displayed at power-ON. Press [execution] on the touch panel and then the [CLEAR] button on the control panel. The screen then returns to the Button Check menu.

- Test mode (03)
Refer to [P. 5-8"5.3 Input check \(Test mode 03\)"](#) and [P. 5-9"5.4 Output check \(test mode 03\)"](#).
- Test print mode (04)
Refer to [P. 5-10"5.5 Test print mode \(test mode 04\)"](#).
- Adjustment mode (05)
Refer to [P. 5-11"5.6 Operation Procedure in Adjustment Mode \(05\)"](#), [P. 5-13"5.7 Test print pattern in Adjustment Mode \(05\)"](#), and Chapter 15 - "Adjustment Mode (05) Codes".

Notes:

When the power should be turned OFF, be sure to shut down the equipment by pressing the [ON/OFF] button for a few seconds.

Remarks:

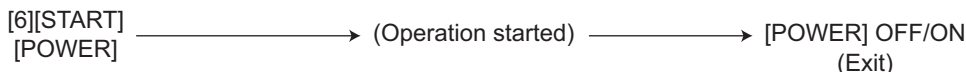
- In "RAM", the SRAM of the board in which the data of each code is stored is indicated. "M" stands for the LGC board and "SYS" stands for the SYS board.
- Setting mode (08)
Refer to [P. 5-17"5.8 Operation Procedure in Setting Mode \(08\)"](#) and Chapter 15 - "Setting Mode (08) Codes".

Notes:

When the power should be turned OFF, be sure to shut down the equipment by pressing the [ON/OFF] button for a few seconds.

Remarks:

- In "RAM", the SRAM of the board in which the data of each code is stored is indicated. "M" stands for the LGC board, "SYS", "NIC" and "UTY" stands for the SYS board.
- Assist mode (3C)
Refer to [P. 5-19"5.9 Assist Mode \(3C\)"](#).
- HDD assist mode (4C)
Refer to [P. 5-22"5.10 HDD Assist Mode \(4C\)"](#).
- File system recovery mode (5C)
Refer to [P. 5-26"5.11 File System Recovery Mode \(5C\)"](#).
- SRAM clear mode (6C)
Refer to [P. 5-31"5.12 SRAM Clear Mode \(6C\)"](#).
- List print mode (9S)
Refer to [P. 5-33"5.13 List print mode \(9S\)"](#).
- PM support mode (6S)
Operation procedure

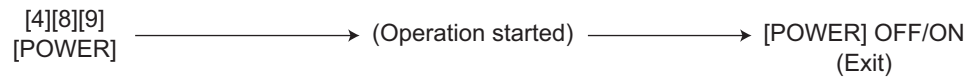


- Firmware update mode (49/89)
Refer to [P. 11-1"11. FIRMWARE UPDATING"](#).

- Password reset mode (489)

This mode resets the administrator password and service password. The user data is erased when resetting the passwords.

Operation procedure



5.2 Service UI

5.2.1 Overview

The following self-diagnostic modes can be used with Service UI on the touch panel of the control panel.

- 04 TEST PRINT MODE
- 05 ADJUSTMENT MODE
- 08 SETTING MODE
- 6S PM SUPPORT MODE
- 9S LIST PRINT MODE
- FAX LIST PRINT MODE
- CHART PRINT MODE

Notes:

Not all codes of the self-diagnostic mode can be used with Service UI. Refer to Chapter 15 for the codes available with Service UI.

5.2.2 Login procedure

[1] In the normal mode

- (1) Turn the power ON.
- (2) Press the [USER FUNCTIONS] button.
- (3) With the [USER FUNCTIONS] menu displayed, enter the Service Mode password provided during product training.

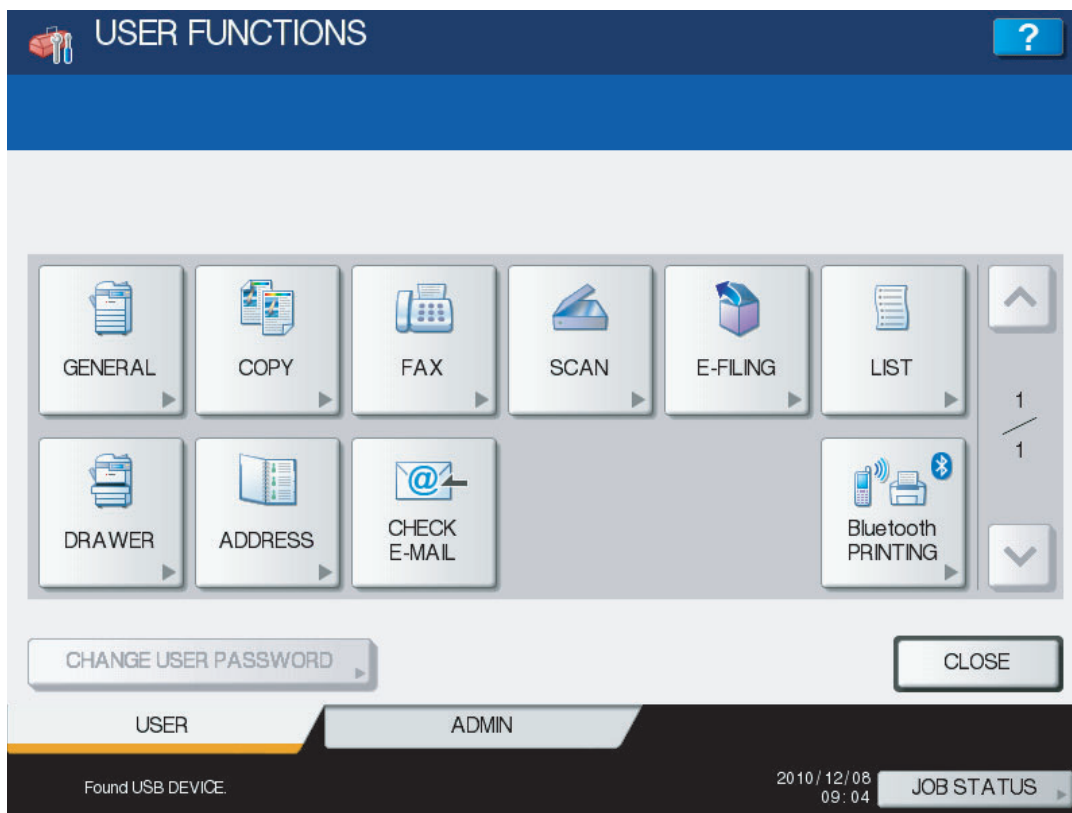


Fig.5-2

- (4) Enter the user name and password on the SERVICE TECHNICIAN PASSWORD screen, then press [OK]. They are set by default as follows:

User Name	Service
Password	None

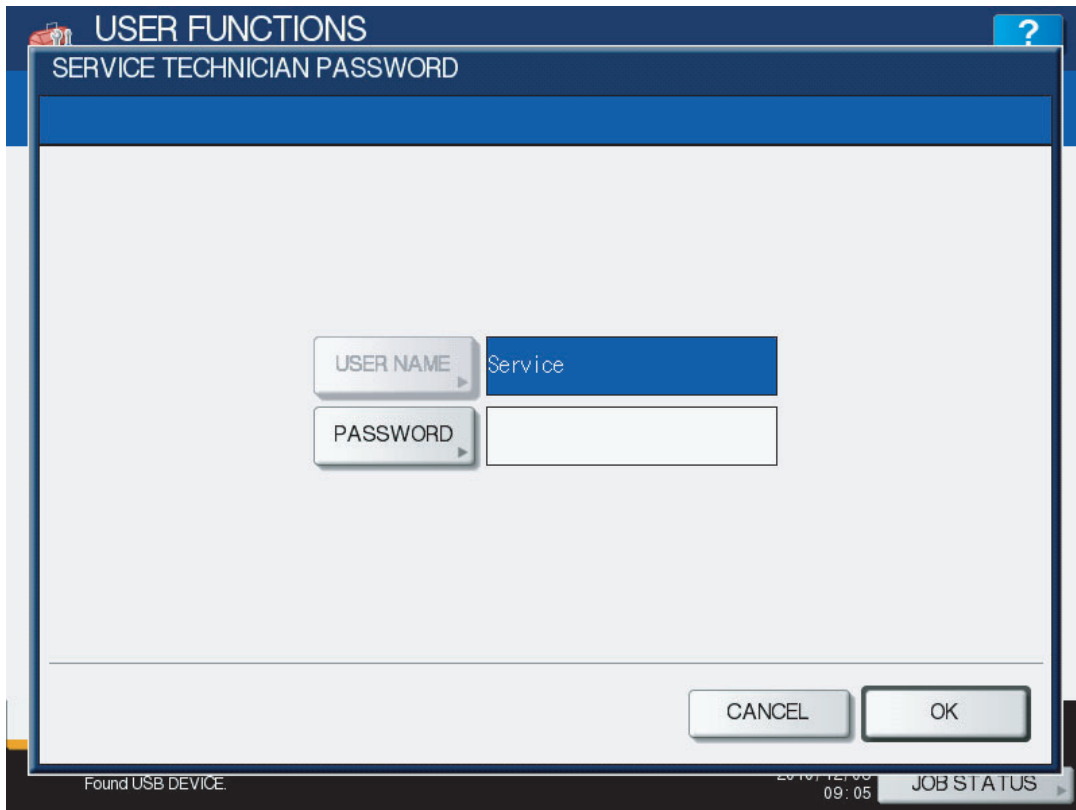


Fig.5-3

The SERVICE MODE screen is displayed.

[2] In the security mode

If the security mode (the value of 08-8911 is "3") is set, log into Service UI following the steps below.

- (1) Turn the power ON.
- (2) Enter the user name and password on the USER AUTHENTICATION screen. The password needs to be changed to log in for the first time.

Notes:

In case the password is forgotten, ask the administrator to reset the service password. In case both the service password and administrator password are forgotten, the passwords can be reset in the password reset mode. Note that the user data are deleted at that time.

- (3) Press the [USER FUNCTIONS] button.
- (4) Enter the password for Service UI on the USER FUNCTIONS screen. The SERVICE MODE screen is displayed.

5.2.3 [SERVICE MODE] Screen

After selecting the mode and pressing the [NEXT] button, the screen is switched to the selected mode.

- When the 05/08 mode is selected
The codes are displayed in one of the levels from the first to fifth.

You can proceed to the next level by selecting the item and pressing the [NEXT] button until the code appears up to the fifth level. Then if you select the code and press the [NEXT] button, the screen is switched to the adjustment mode or setting mode.

If you press the [CLASSIC] button on the screen in the first level, the screen is switched to the adjustment mode or setting mode, so that you can enter the code number.

- When the modes other than 05/08 mode are selected
The screen is switched to the selected mode.

5.2.4 Setting/Changing password

- (1) Press the [SETTINGS] button on the SERVICE MODE screen to display the SETTINGS screen.

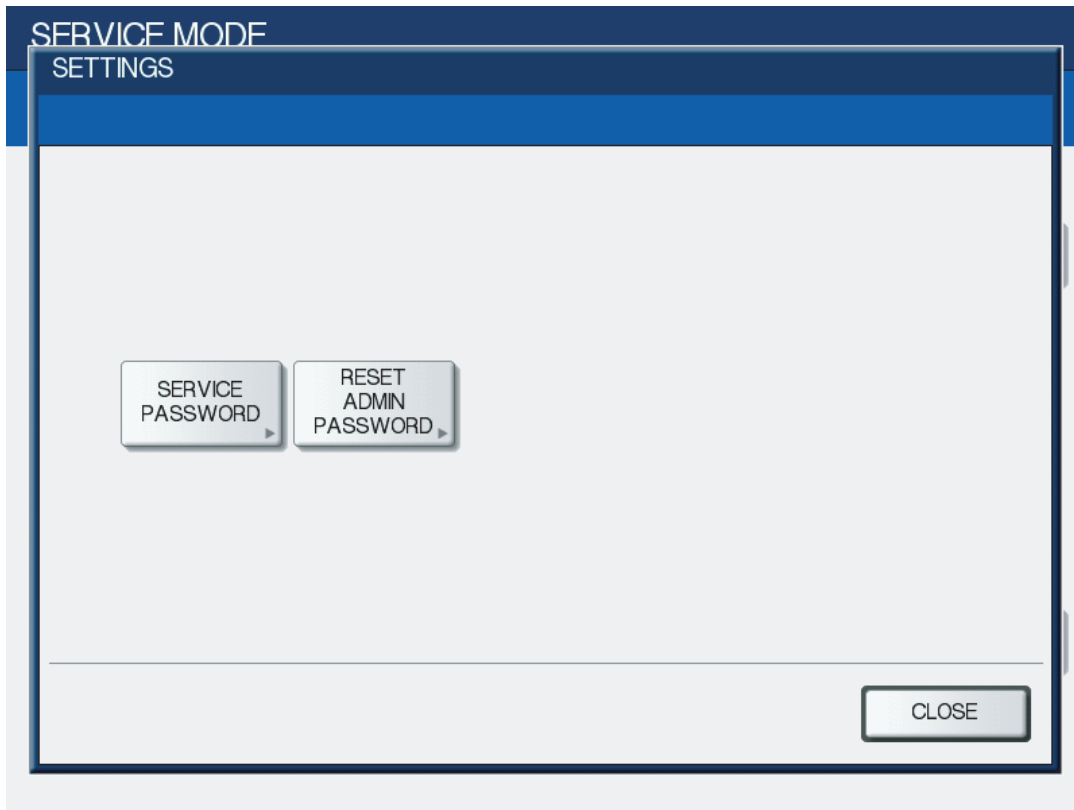


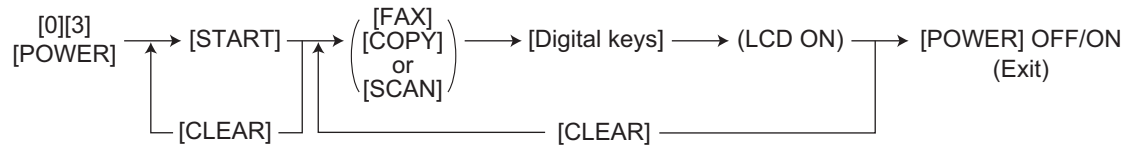
Fig.5-4

- (2) Press the [SERVICE PASSWORD] button to change the service password, or [RESET ADMIN PASSWORD] to reset the administrator password.

5.3 Input check (Test mode 03)

The status of each input signal can be checked by pressing the [FAX] button, [COPY] button, [SCAN] button and the digital keys in the test mode (03).

<Operation procedure>



Notes:

- Initialization is performed before the equipment enters the test mode.
- The PRINT DATA lamp blinks when the input check is running.

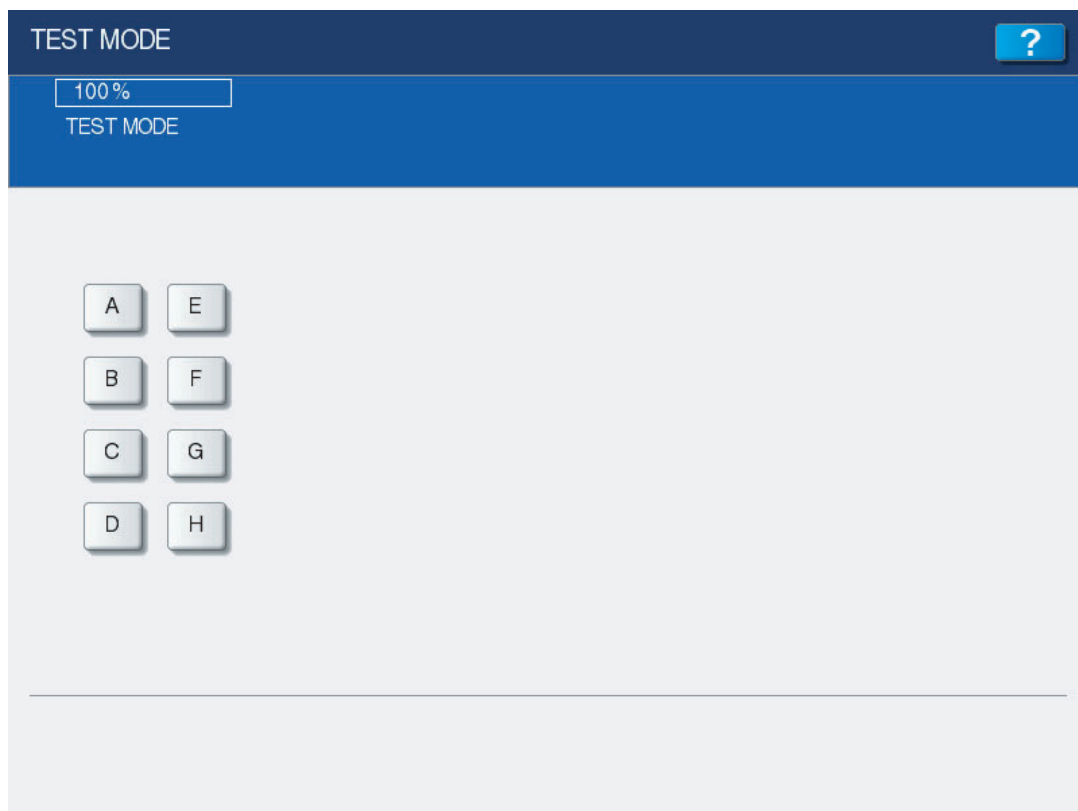


Fig.5-5 Example of display during input check

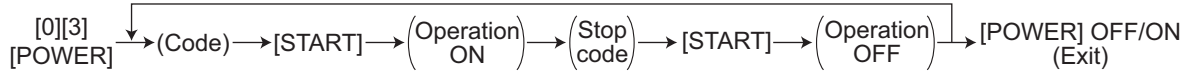
Refer to Chapter 15 in this manual for the items to be checked and the condition of the equipment when the buttons [A] to [H] are highlighted.

5.4 Output check (test mode 03)

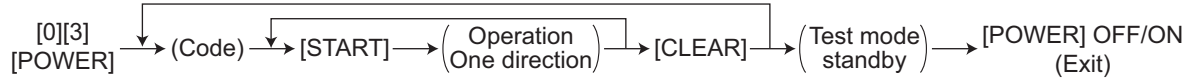
Status of the output signals can be checked in the test mode 03.

<Operation procedure>

Procedure 1



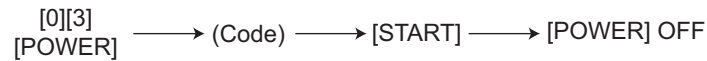
Procedure 2



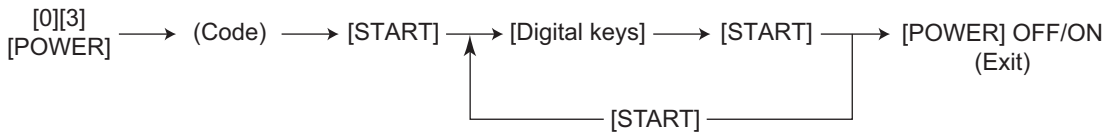
Procedure 3



Procedure 4



Procedure 5



* Return to the standby screen for code input by pressing the [CLEAR] button.

Refer to Chapter 15 in this manual for the codes available in the test mode 03.

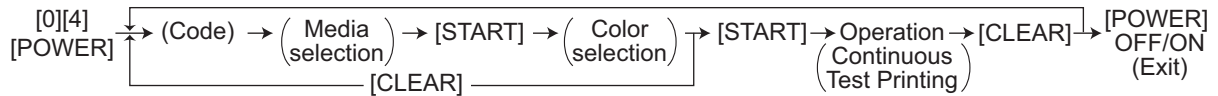
5.5 Test print mode (test mode 04)

The embedded test pattern can be printed out in the test print mode (04).

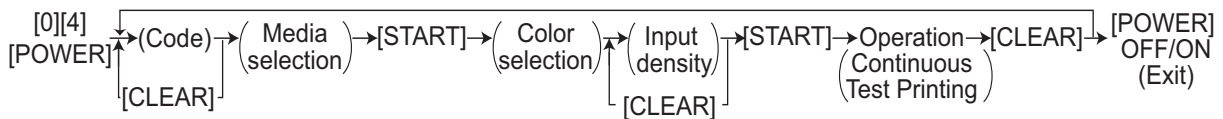
<Procedure 1>



<Procedure 2>



<Procedure 5>



Notes:

1. When an error occurs, it is indicated on the panel, but the recovery operation is not performed.
Turn OFF the power and then back ON to clear the error.
2. During test printing, the [CLEAR] button is disabled when "Wait adding toner" is displayed.

Remarks:

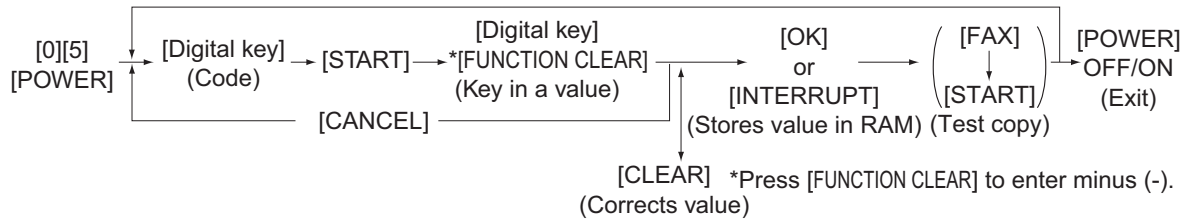
In the (Color selection) of <Procedure 2> and <Procedure 5>, the printing method is different between [K(1)] and [K(4)] as follows.

- [K(1)]: Printing by bringing one K color developer unit into contact with the transfer belt.
- [K(4)]: The developer units of four (YMCK) colors are brought into contact with the transfer belt, but the test pattern is printed in K color only.
- * The number in parentheses indicates the contact of the developer unit and the transfer belt.

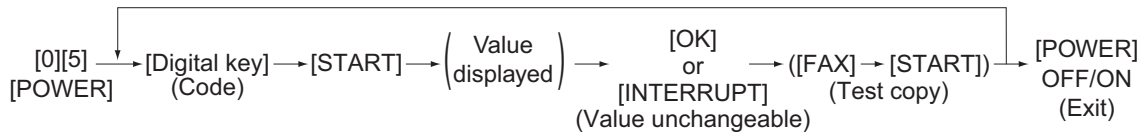
Refer to Chapter 15 in this manual for the codes available in the test print mode.

5.6 Operation Procedure in Adjustment Mode (05)

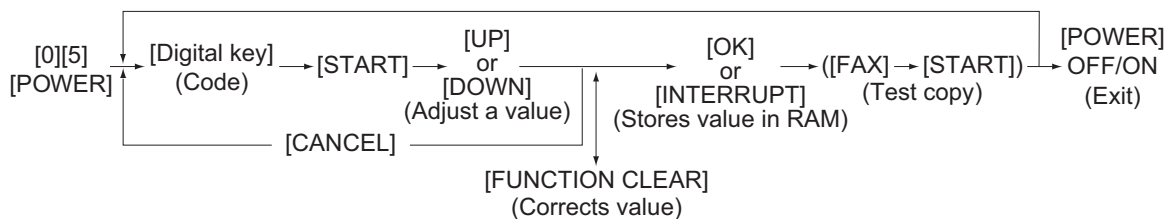
Procedure 1



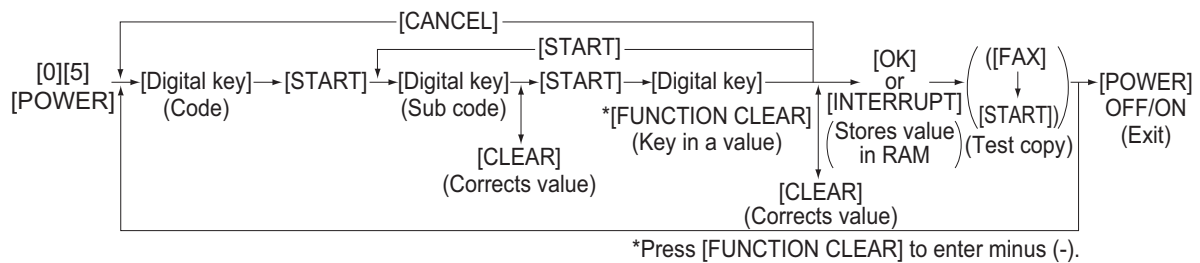
Procedure 2



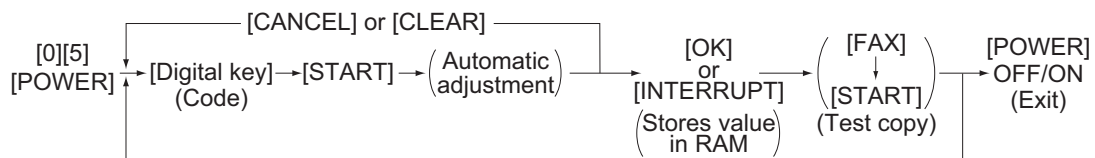
Procedure 3



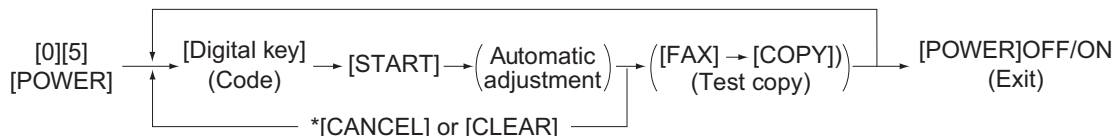
Procedure 4



Procedure 5



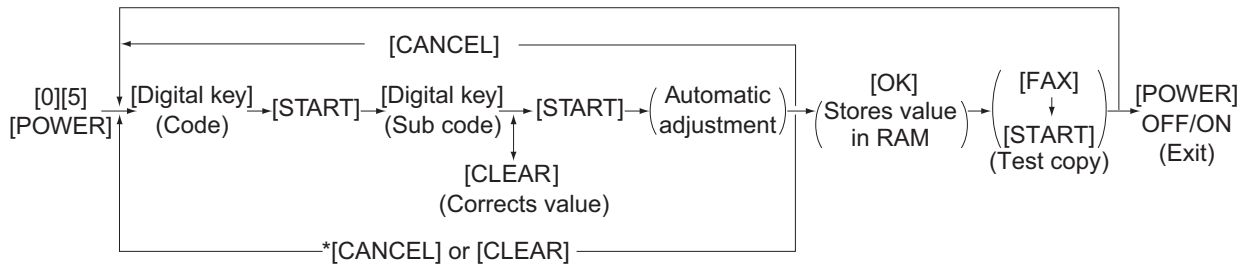
Procedure 6



* When the automatic adjustment ends abnormally, an error message is displayed.

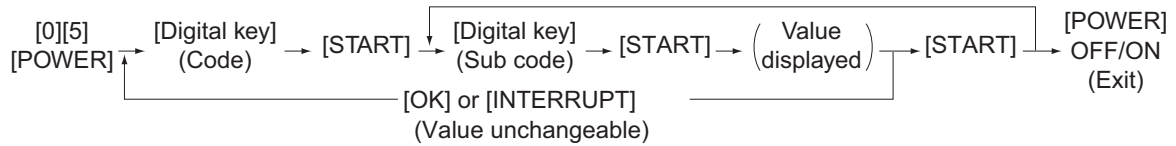
* Return to standby screen by pressing the [CANCEL] or [CLEAR] button.

Procedure 7

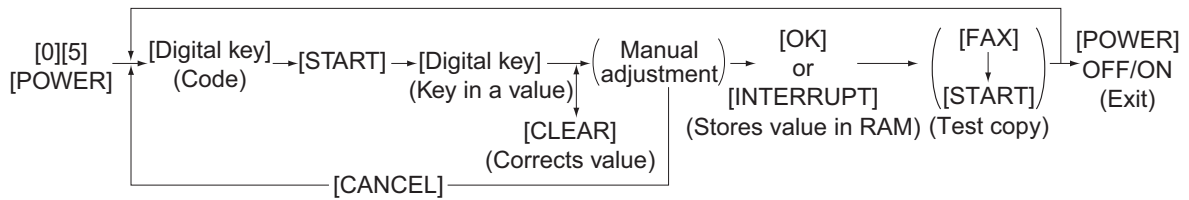


- * When the automatic adjustment ends abnormally, an error message is displayed.
- * Return to standby screen by pressing the [CANCEL] or [CLEAR] button.

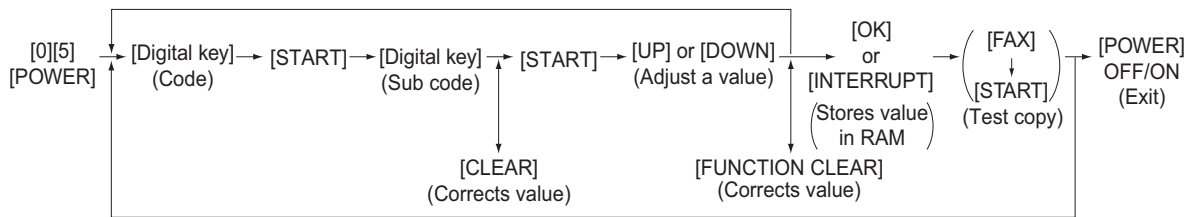
Procedure 10



Procedure 12



Procedure 14



5.7 Test print pattern in Adjustment Mode (05)

Operation:

One test print is printed out when the [FAX] button is pressed after the code is keyed in at Standby Screen.

Code	Types of test pattern	Remarks
1	Grid pattern (Black)	For printer related adjustment
3	Grid pattern (Black/Duplex printing)	Refer to 6.1.8Scanner-related image dimensional adjustment
4	Copier gamma adjustment pattern (Color & black / All media types)	Refer to 6.3.1Automatic gamma adjustment
5	Copier gamma adjustment pattern (Color / All media types)	Refer to 6.3.1Automatic gamma adjustment
6	Copier gamma confirmation pattern (Black / All media types)	Refer to 6.3.1Automatic gamma adjustment
7	Copier gamma confirmation pattern (Color / All media types)	Refer to 6.3.1Automatic gamma adjustment
8	Grid pattern (Color)	
10	For gamma adjustment (Black)	Refer to 6.3.1Automatic gamma adjustment
12	Secondary scanning direction 33 gradation steps (Y)	For checking the image of printer section
13	Secondary scanning direction 33 gradation steps (M)	For checking the image of printer section
14	Secondary scanning direction 33 gradation steps (C)	For checking the image of printer section
15	Secondary scanning direction 33 gradation steps (K)	For checking the image of printer section
55	Grid pattern (Full Color / Thick paper 2)	Refer to 6.1.6Paper alignment at the registration roller
56	Grid pattern (Full Color / Thick paper 3)	Refer to 6.1.6Paper alignment at the registration roller
57	Grid pattern (Full Color / OHP)	Refer to 6.1.6Paper alignment at the registration roller
58	Grid pattern (Black / Thick paper 2)	Refer to 6.1.6Paper alignment at the registration roller
59	Grid pattern (Black / Thick paper 3)	Refer to 6.1.6Paper alignment at the registration roller
60	Grid pattern (Black / OHP)	Refer to 6.1.6Paper alignment at the registration roller
63	For color deviation correction (Full Color)	Only for A3/LD size
70	Printer gamma correction table creation pattern (PS: 600dpi) (Plain paper 1)	Refer to 6.3.1Automatic gamma adjustment
71	Printer gamma correction table confirmation pattern (PS: 600dpi) (Plain paper 1)	Refer to 6.3.1Automatic gamma adjustment
72	Printer gamma correction table creation pattern (PS: 600dpi) (Plain paper 2)	Refer to 6.3.1Automatic gamma adjustment

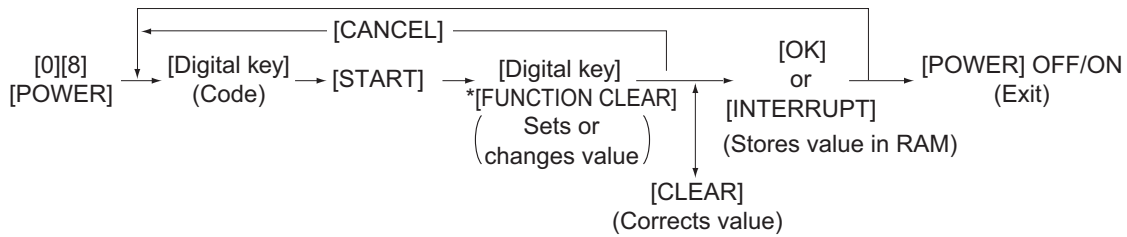
Code	Types of test pattern	Remarks
73	Printer gamma correction table confirmation pattern (PS: 600dpi) (Plain paper 2)	Refer to 6.3.1 Automatic gamma adjustment
74	Printer gamma correction table creation pattern (PS: 600dpi) (Recycled paper)	Refer to 6.3.1 Automatic gamma adjustment
75	Printer gamma correction table confirmation pattern (PS: 600dpi) (Recycled paper)	Refer to 6.3.1 Automatic gamma adjustment
76	Printer gamma correction table creation pattern (PS: 600dpi) (Thick paper 1)	Refer to 6.3.1 Automatic gamma adjustment
77	Printer gamma correction table confirmation pattern (PS: 600dpi) (Thick paper 1)	Refer to 6.3.1 Automatic gamma adjustment
78	Printer gamma correction table creation pattern (PS: 600dpi) (Thick paper 2)	Refer to 6.3.1 Automatic gamma adjustment
79	Printer gamma correction table confirmation pattern (PS: 600dpi) (Thick paper 2)	Refer to 6.3.1 Automatic gamma adjustment
80	Printer gamma correction table creation pattern (PS: 600dpi) (Thick paper 3)	Refer to 6.3.1 Automatic gamma adjustment
81	Printer gamma correction table confirmation pattern (PS: 600dpi) (Thick paper 3)	Refer to 6.3.1 Automatic gamma adjustment
82	Printer gamma correction table creation pattern (PS: 600dpi) (Thick paper 4)	Refer to 6.3.1 Automatic gamma adjustment
83	Printer gamma correction table confirmation pattern (PS: 600dpi) (Thick paper 4)	Refer to 6.3.1 Automatic gamma adjustment
84	Printer gamma correction table creation pattern (PS: 600dpi) (Special paper 1)	Refer to 6.3.1 Automatic gamma adjustment
85	Printer gamma correction table confirmation pattern (PS: 600dpi) (Special paper 1)	Refer to 6.3.1 Automatic gamma adjustment
86	Printer gamma correction table creation pattern (PS: 600dpi) (Special paper 2)	Refer to 6.3.1 Automatic gamma adjustment
87	Printer gamma correction table confirmation pattern (PS: 600dpi) (Special paper 2)	Refer to 6.3.1 Automatic gamma adjustment
98	Grid pattern -2 (For printing K(4) / Plain paper)	Refer to 6.1.7 Printer-related image dimensional adjustment
99	Grid pattern -2 (For printing K(4) / Thick paper 1)	
100	Grid pattern - 1 (Full color / Thick paper 1)	
101	Grid pattern - 1 (Black / Thick paper 1)	
104	Color deviation confirmation pattern (A3/LD)	

Code	Types of test pattern	Remarks
112	Media sensor feeding check	Printing on blank paper
138	Grid pattern - 2 (For printing K (4) / duplex printing)	
151	Pattern for checking uneven image density correction in primary scanning direction	Available only when A4/LT paper is selected (Not available for bypass feeding)
200	Copier gamma adjustment pattern (Color & black / Plain paper 1)	Refer to 6.2.1Automatic gamma adjustment
201	Copier gamma confirmation pattern (Color / Plain paper 1)	Refer to 6.2.1Automatic gamma adjustment
202	Copier gamma adjustment pattern (Color & black / Plain paper 2)	Refer to 6.2.1Automatic gamma adjustment
203	Copier gamma confirmation pattern (Color / Plain paper 2)	Refer to 6.2.1Automatic gamma adjustment
204	Copier gamma adjustment pattern (Color & black / Recycled paper)	Refer to 6.2.1Automatic gamma adjustment
205	Copier gamma confirmation pattern (Color / Recycled paper)	Refer to 6.2.1Automatic gamma adjustment
206	Copier gamma adjustment pattern (Color & black / Thick paper 1)	Refer to 6.2.1Automatic gamma adjustment
207	Copier gamma confirmation pattern (Color / Thick paper 1)	Refer to 6.2.1Automatic gamma adjustment
208	Copier gamma adjustment pattern (Color & black / Thick paper 2)	Refer to 6.2.1Automatic gamma adjustment
209	Copier gamma confirmation pattern (Color / Thick paper 2)	Refer to 6.2.1Automatic gamma adjustment
210	Copier gamma adjustment pattern (Color & black / Thick paper 3)	Refer to 6.2.1Automatic gamma adjustment
211	Copier gamma confirmation pattern (Color / Thick paper 3)	Refer to 6.2.1Automatic gamma adjustment
212	Copier gamma adjustment pattern (Color & black / Thick paper 4)	Refer to 6.2.1Automatic gamma adjustment
213	Copier gamma confirmation pattern (Color / Thick paper 4)	Refer to 6.2.1Automatic gamma adjustment
214	Copier gamma adjustment pattern (Color & black / Special paper 1)	Refer to 6.2.1Automatic gamma adjustment
215	Copier gamma confirmation pattern (Color / Special paper 1)	Refer to 6.2.1Automatic gamma adjustment
216	Copier gamma adjustment pattern (Color & black / Special paper 2)	Refer to 6.2.1Automatic gamma adjustment
217	Copier gamma confirmation pattern (Color / Special paper 2)	Refer to 6.2.1Automatic gamma adjustment
230	Printer gamma correction table creation pattern (PS: 1200dpi) (Plain paper 1)	Refer to 6.3.1Automatic gamma adjustment
231	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Plain paper 1)	Refer to 6.3.1Automatic gamma adjustment
232	Printer gamma correction table creation pattern (PS: 1200dpi) (Plain paper 2)	Refer to 6.3.1Automatic gamma adjustment

Code	Types of test pattern	Remarks
233	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Plain paper 2)	Refer to 6.3.1Automatic gamma adjustment
234	Printer gamma correction table creation pattern (PS: 1200dpi) (Recycled paper)	Refer to 6.3.1Automatic gamma adjustment
235	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Recycled paper)	Refer to 6.3.1Automatic gamma adjustment
236	Printer gamma correction table creation pattern (PS: 1200dpi) (Thick paper 1)	Refer to 6.3.1Automatic gamma adjustment
237	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Thick paper 1)	Refer to 6.3.1Automatic gamma adjustment
238	Printer gamma correction table creation pattern (PS: 1200dpi) (Thick paper 2)	Refer to 6.3.1Automatic gamma adjustment
239	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Thick paper 2)	Refer to 6.3.1Automatic gamma adjustment
240	Printer gamma correction table creation pattern (PS: 1200dpi) (Thick paper 3)	Refer to 6.3.1Automatic gamma adjustment
241	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Thick paper 3)	Refer to 6.3.1Automatic gamma adjustment
242	Printer gamma correction table creation pattern (PS: 1200dpi) (Thick paper 4)	Refer to 6.3.1Automatic gamma adjustment
243	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Thick paper 4)	Refer to 6.3.1Automatic gamma adjustment
244	Printer gamma correction table creation pattern (PS: 1200dpi) (Special paper 1)	Refer to 6.3.1Automatic gamma adjustment
245	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Special paper 1)	Refer to 6.3.1Automatic gamma adjustment
246	Printer gamma correction table creation pattern (PS: 1200dpi) (Special paper 2)	Refer to 6.3.1Automatic gamma adjustment
247	Printer gamma correction table confirmation pattern (PS: 1200dpi) (Special paper 2)	Refer to 6.3.1Automatic gamma adjustment

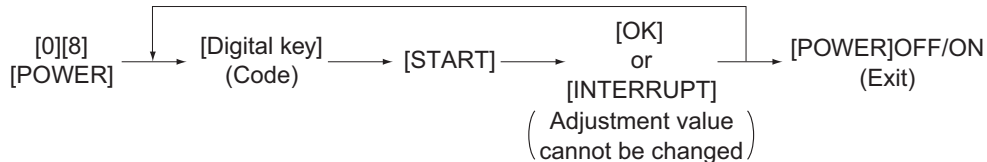
5.8 Operation Procedure in Setting Mode (08)

Procedure 1

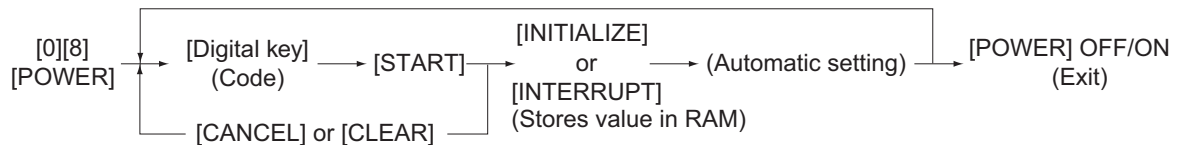


* Press [FUNCTION CLEAR] to enter minus (-).

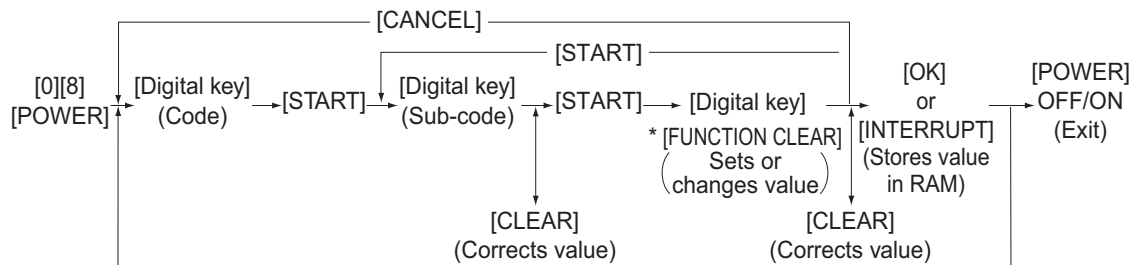
Procedure 2



Procedure 3

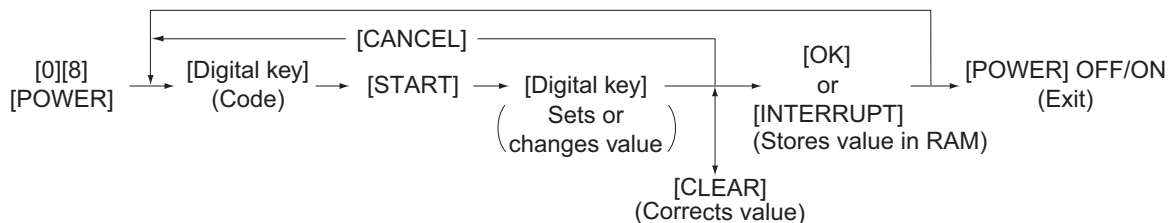


Procedure 4

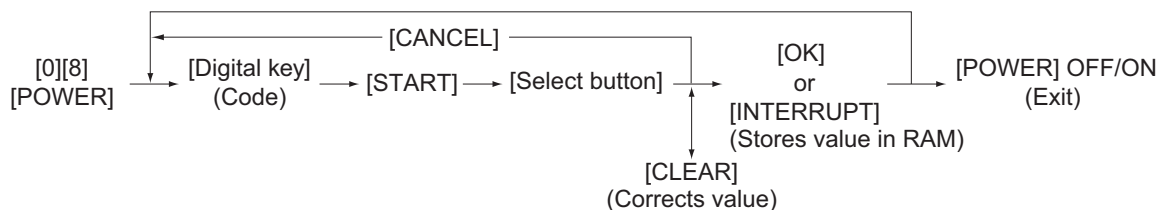


* Press [FUNCTION CLEAR] to enter minus (-).

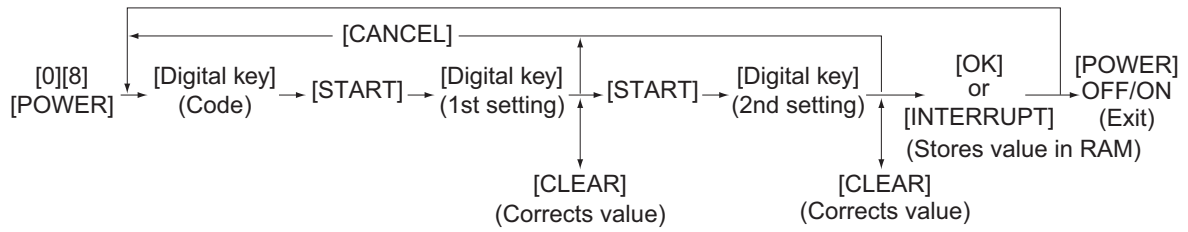
Procedure 5



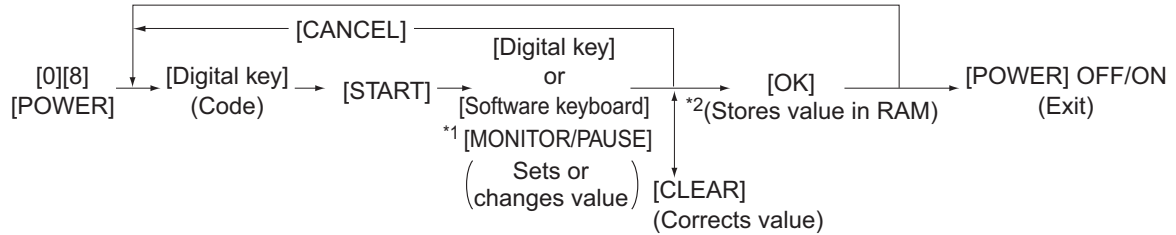
Procedure 9



Procedure 10



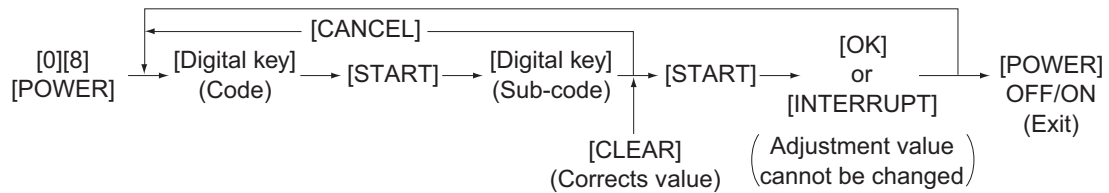
Procedure 11 and 12



*1 Press [MONITOR/PAUSE] to enter "-", when entering telephone number.

*2 The data are stored in SYS-RAM in procedure 11 and stored in NIC-RAM in procedure 12.

Procedure 14



5.9 Assist Mode (3C)

5.9.1 Assist Mode

This equipment has the Assist Mode to enable the following functions.

- (1) Update error flag clearing (Clear Error Flag in Software Installation)
Even if the firmware downloading has been completed normally, the Recovery Mode may accidentally start up when the power is turned ON again. In this case, clear the Update Error flags used in the download process with this function. (Normally, the flags are automatically cleared in the download process.)
Also in the case the Recovery Mode accidentally starts up after the replacement of SRAM on the SYS board, the flags are cleared with this function.
- (2) Data storage partition formatting (Format Root Partition)
When a defect occurs on the UI data, etc. which are stored in the HDD, the partition with the stored UI data, etc. is formatted with this function.
Do not use this function since it is not normally necessary.
HDD data must be installed after performing this function.
- (3) HDD partition creation (Format HDD)
When the HDD is replaced or UI data, etc. are downloaded using the USB storage, it is necessary to format a partition in the HDD before downloading. In this case, the partition is created in the HDD with this function.

Notes:

- When downloading with a download jig, it is not necessary to format a partition in advance.
- Perform the HDD partition formatting only when a new HDD is installed since all data in the current HDD are erased by this operation.
- When this operation has been done, do not perform SRAM data formatting (Clear SRAM) before the normal start-up.

- (4) SRAM data format (Clear SRAM)
When SRAM is replaced with a new one, abnormal values may be written in the new SRAM. SRAM data must be formatted with this function for such case.

Notes:

- This function is required only when a new SRAM is installed.
- Do not perform this function in cases other than the installation of a new SRAM because all data in the SRAM will be deleted with this function.
- When this operation has been done, do not perform HDD partition creation (Format HDD) before the normal start-up.

- (5) Encryption key / license backup/restoring (Key Backup Restore)
When the SRAM board (for the SYS board) or the SYS board is replaced or initialized, the encryption key and license are erased. Therefore, they need to be backed up or restored with this function.

Configurations and functions of the "5.Key Backup Restore" menu

1. Key SRAM to FROM
Restore the encryption key from SRAM to FROM.
2. Key FROM to SRAM
Back up the encryption key from FROM to SRAM.
3. License SRAM to FROM
Restore the license from SRAM to FROM.
4. License FROM to SRAM
Back up the license from FROM to SRAM.
5. ADIKey SRAM to FROM
Restore the ADIKey from SRAM to FROM.

6. ADIKey FROM to SRAM

Back up the ADIKey from FROM to SRAM.

(6) HDD securely erasing (Erase HDD Securely)

This function is used before discarding the HDD.

It overwrites all the used areas on the HDD with the selected data, and makes it unusable. After selecting this function, specify the level below to be overwritten. This setting is the overwriting method complying with DoD 5220.22-M.

1. LOW

This is the standard overwriting method.

"00-FF-Random-Verify" Once

2. MEDIUM

This overwriting method is more secure than LOW. The erasing time is between LOW and HIGH.

"00-FF-Random" three times repeatedly -Verify

3. HIGH

This is the most secure overwriting method. It takes the longest time to erase data.

"00-FF-Random" five times repeatedly -Verify

4. SIMPLE

This is the simple overwriting method. It takes the shortest time to erase data.

Overwrite the Random data once

Key in the level number to display "<" next to it.

(At this time, if "0" is entered, the screen returns to the initial one of the Assist Mode.)

Press the [START] button to display the reconfirmation screen, and then press the [START] button again to start overwriting.

Notes:

When this operation has been done, do not perform SRAM data formatting (Clear SRAM) before the normal start-up.

(7) SRAM securely erasing (Erase SRAM Securely)

This function is used before discarding the SRAM board (for the SYS board).

It overwrites all the used areas on the SRAM board with the selected data, and makes it unusable.

Immediately after selecting this function, the processing starts and is completed.

(8) SRAM service tech password formatting (Clear Service Tech Password)

This function is needed after the HDD is replaced.

When the HDD is replaced, the service tech password stored in the new one is set as a blank.

Therefore, its password is copied to the SRAM board so that both passwords become the same with this function.

5.9.2 Operating Procedure

- (1) Turn ON the power while [3] button and [CLEAR] button are pressed simultaneously.
 - The following screen is displayed.

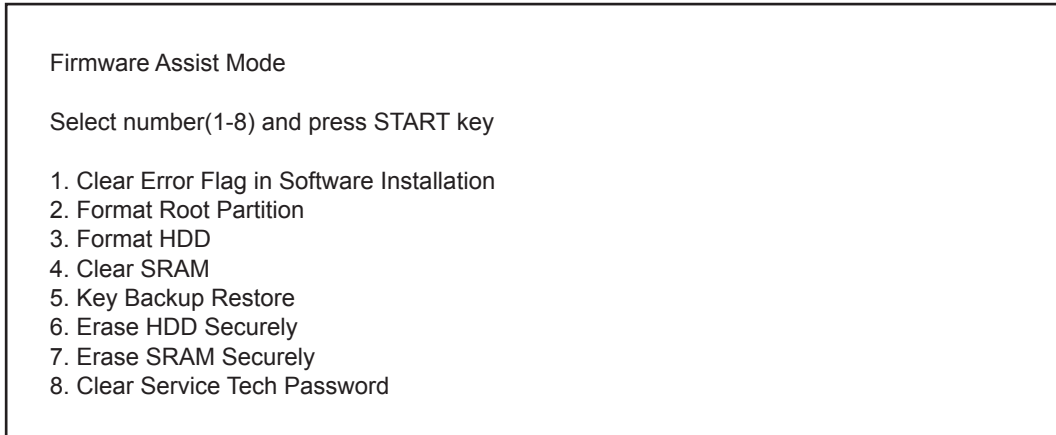


Fig.5-6

- (2) Select the item with the digital keys and press the [START] button.

5.10 HDD Assist Mode (4C)

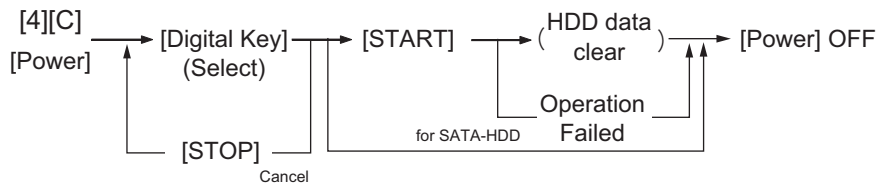
5.10.1 General description

This mode is available only when the security HDD (ADI-HDD) is mounted in the equipment. It enables you to check the type of the mounted HDD, revert the HDD to the factory default or remove keys.

Functions

- Checks the type (ADI or SATA) of the mounted HDD.
- Disposes of ADI-HDD data safely without any of leakage.
- Deletes image data when reusing a used ADI-HDD.

5.10.2 Operation procedure



Turn the power ON while pressing the [4] and the [CLEAR] button simultaneously. Then the type of the mounted HDD is checked and either of the following screens is displayed.

- When the security HDD is mounted

HDD Assist Mode Current HDD type: ADI HDD	System Firmware Version : xxxx(x.x.x.x) Update Mode : 4c Mode
Select number (1-2) and press START key	
<ol style="list-style-type: none"> 1. Revert factory initial status HDD 2. Remove key 	

Fig.5-7

- When a normal HDD is mounted

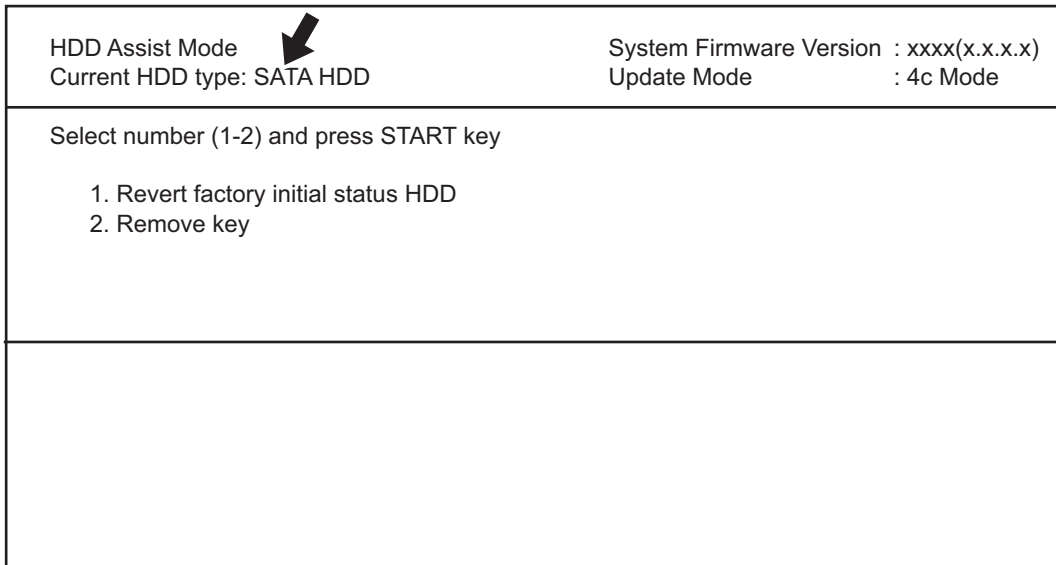


Fig.5-8

Remarks:

If the HDD type cannot be identified, "Unknown HDD" may appear on the screen.
Refer to P. 8-202" [F106_1] ADI-HDD error: HDD type detection error"

Note:

When "SATA HDD" (normal HDD) is displayed, items 1 and 2 are not selectable.
If you select any of 1 and 2 and press the [START] button, the error message below appears.

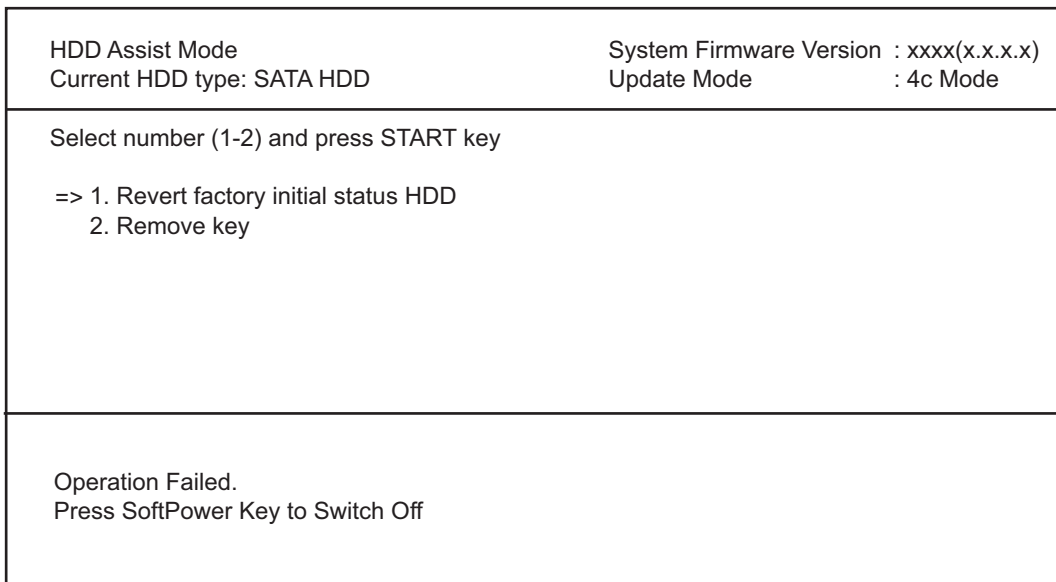


Fig.5-9

5.10.3 Functions

[A] 1. Revert factory initial status HDD

Select this to dispose of the HDD as well as the equipment.

When this item is selected, all data in the HDD are deleted and the HDD is reverted to its initial status at the factory shipment.

This operation requires only a few seconds; however, you must create the partition in the HDD in the 3C mode (Format HDD) and reinstall the HDD data in the 49 mode to make the HDD reusable.

When "1" is selected, the menu below appears.

To start, press the [START] button.

HDD Assist Mode Current HDD type: ADI HDD	System Firmware Version : xxxx(x.x.x.x) Update Mode : 4c Mode			
Select number (1-2) and press START key => 1. Revert factory initial status HDD 2. Remove key				
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Confirmation Screen</td> </tr> <tr> <td style="text-align: center;">Are you sure ???</td> </tr> <tr> <td style="text-align: center;">Press START to continue Press STOP to cancel</td> </tr> </table>		Confirmation Screen	Are you sure ???	Press START to continue Press STOP to cancel
Confirmation Screen				
Are you sure ???				
Press START to continue Press STOP to cancel				

Fig.5-10

When the operation is finished, the result appears on the menu.

HDD Assist Mode Current HDD type: ADI HDD	System Firmware Version : xxxx(x.x.x.x) Update Mode : 4c Mode
Select number (1-2) and press START key => 1. Revert factory initial status HDD 2. Remove key	
Data in the HDD has been completely erased. Press SoftPower Key to Switch Off	

Fig.5-11

Note:

If the equipment is started in the normal mode with this condition, an HDD mounting error occurs.

[B] 2. Remove Key

Select this to reuse the HDD as well as the equipment.

When this item is selected, image data in the HDD are deleted.

This operation requires approx. 20 minutes since the partition must be rebuilt.

When "2" is selected, the menu below appears.
To start, press the [START] button.

HDD Assist Mode Current HDD type: ADI HDD	System Firmware Version : xxxx(x.x.x.x) Update Mode : 4c Mode				
Select number (1-2) and press START key					
1. Revert factory initial status HDD => 2. Remove key					
<table border="1"><tr><td>Confirmation Screen</td></tr><tr><td>Are you sure ???</td></tr><tr><td>Press START to continue</td></tr><tr><td>Press STOP to cancel</td></tr></table>		Confirmation Screen	Are you sure ???	Press START to continue	Press STOP to cancel
Confirmation Screen					
Are you sure ???					
Press START to continue					
Press STOP to cancel					

Fig.5-12

When the operation is finished, the result appears on the menu.

HDD Assist Mode Current HDD type: ADI HDD	System Firmware Version : xxxx(x.x.x.x) Update Mode : 4c Mode
Select number (1-2) and press START key	
1. Revert factory initial status HDD => 2. Remove key	
Data in the HDD has been erased. Press SoftPower Key to Switch Off	

Fig.5-13

Note:

After this operation, the equipment becomes reusable without reinstalling the firmware.

5.11 File System Recovery Mode (5C)

5.11.1 Overview

This is a mode to check if there is any damage to the file system (HDD) and recover it if necessary. Use this mode only in the following cases:

- There is a possibility of damage to the file system (HDD).
- There is an apparent damage to the file system (HDD), requiring recovery or initialization.

This mode enables you to have the following functions:

- Check F/S: Checks the file system.
- Recovery F/S: Recovers the file system.
- Initialize HDD: Initializes HDD.
- Initialize DB: Initializes database such as log data.
- SMART Info: Displays the various information in the HDD.
- DISK Info: Displays the usage rate of HDD.
- HDD Utility: Initializes log files.

5.11.2 Operation procedure

[5][C] → [Digital key] → [START] → [Digital key] → [START] → (HDD formatting) → [POWER] OFF/ON
[POWER] (Selection) (Selection) (DB formatting such as log data) (Exit)

Notes:

- Do not turn the main power switch OFF after you select a menu and processing has started (during processing).
- After the processing is completed, a beep sounds 4 times and either “Completed” or “Failed” appears on the screen.

Turn ON the power while pressing the [5] and [CLEAR] button simultaneously. The following screen is displayed.

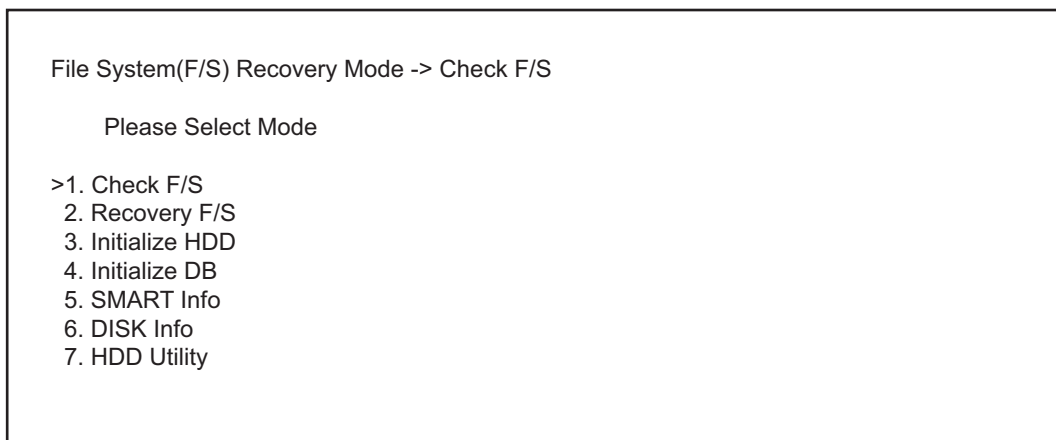


Fig.5-14

Remark:

When the mode is started, “1. Check F/S” is selected by default. (“>” is displayed on the left of the selected number.)

5.11.3 Functions

[A] Check of the File System (Check F/S)

In case that particular service calls occur or there is a possibility of damage to the file system, the status of each partition in the HDD can be checked.

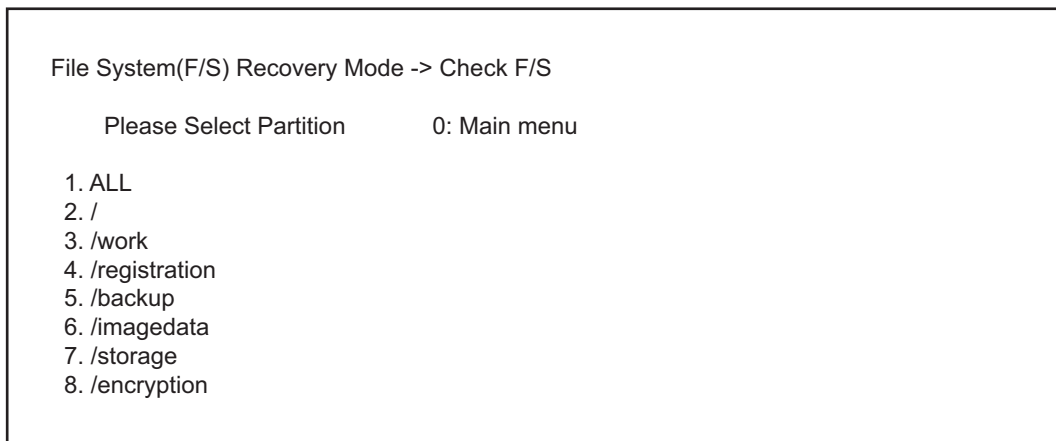


Fig.5-15

Explanation for each item

- 1: Checks all partitions.
- 2: Checks root partition only.
- 3-8: Checks each partition shown above.

Note:

More than one partition can be selected. (“>” is displayed on the left of the selected number.)

- If damage is discovered, recover or initialize the file system (HDD).

[B] Recovery of the File System (Recovery F/S)

In case that an error occurs during the file system check, each partition can be recovered.

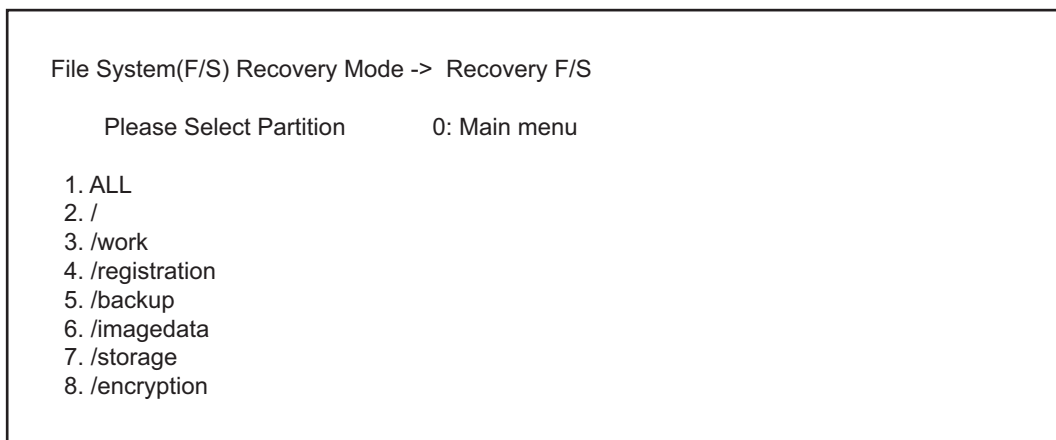


Fig.5-16

Explanation for each item

- 1: Recovers all partitions.
- 2: Recovers root partition only.
- 3-8: Recovers each partition shown above.

Note:

More than one partition can be selected. (“>” is displayed on the left of the selected number.)

* If an error occurs during recovery, initialize the file system (HDD).

[C] Initialize the File System (Initialize HDD)

In case that an error occurs during the file system check and the partition cannot be recovered with the recovery, each partition can be initialized.

It is recommended to export the user information such as address book before performing this function.

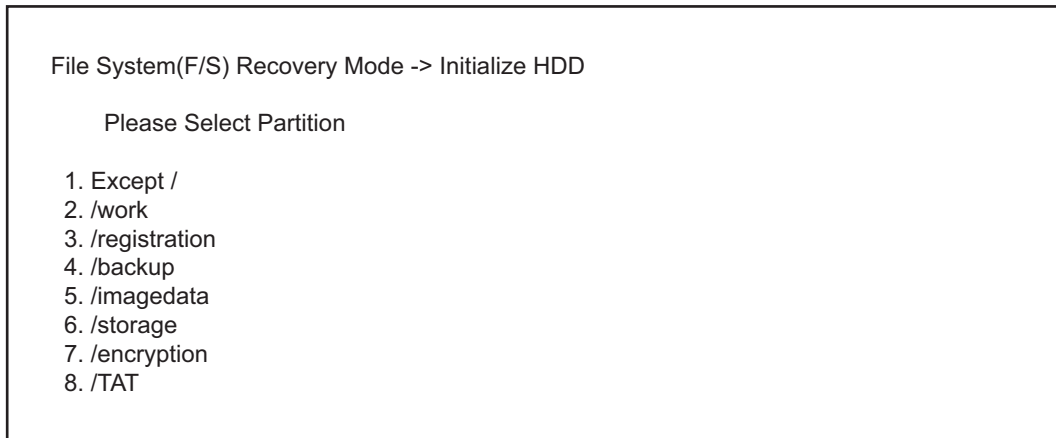


Fig.5-17

Explanation for each item

- 1: Initializes partitions other than root one and creates initial files.
- 2: Initializes a partition (/work) and creates an initial file.
- 3: Initializes a partition (/registration) and creates an initial file.
- 4: Initializes a partition (/backup) and creates an initial file.
- 5: Initializes a partition (/imagedata) and creates an initial file.
- 6: Initializes a partition (/storage) and creates an initial file.
- 7: Initializes a partition (/encryption) and creates an initial file.
- 8: Initializes a partition (/TAT) and creates an initial file.

Remark:

More than one partition can be selected. (“>” is displayed on the left of the selected number.)

Notes:

- If [1. Except /] or [7. /encryption] is selected, applications and OS data in the equipment are also initialized. In this case, the applications and the file system must be reinstalled. Install the system software (HD Data) by performing [49] -> [4] after initialization.
- If [1. Except /] is selected, minimal data necessary for normal startup are automatically recovered.
- If [1. Except /] is selected, log database is also initialized. Back up the data before initializing if necessary.
- If [1. Except/] is selected, do not perform SRAM data formatting (Clear SRAM) before the normal start-up.

[D] Initialize the DB (Initialize DB)

In case that particular service calls occur or there is a possibility of damage to the databases, each one can be initialized.

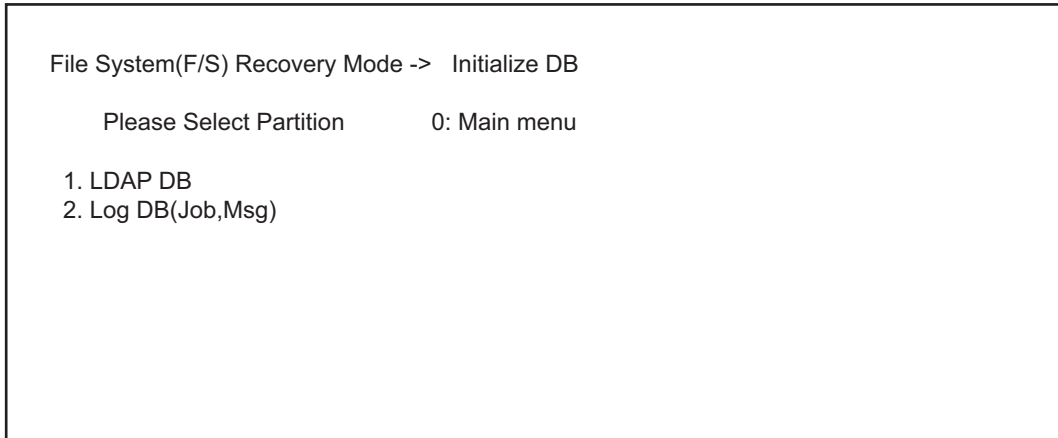


Fig.5-18

Explanation for each item

- 1: Initializes address book data and the user information database.
- 2: Initializes job log data and the message database.

Remark:

The selected databases are initialized and recreated in the next normal startup.

[E] Displaying various data in the HDD (SMART Info)

Various data in the HDD can be displayed. (Data equivalent to the setting contents of 08-9065 are displayed.)

When this item is selected, data in the HDD embedded in the equipment are displayed.

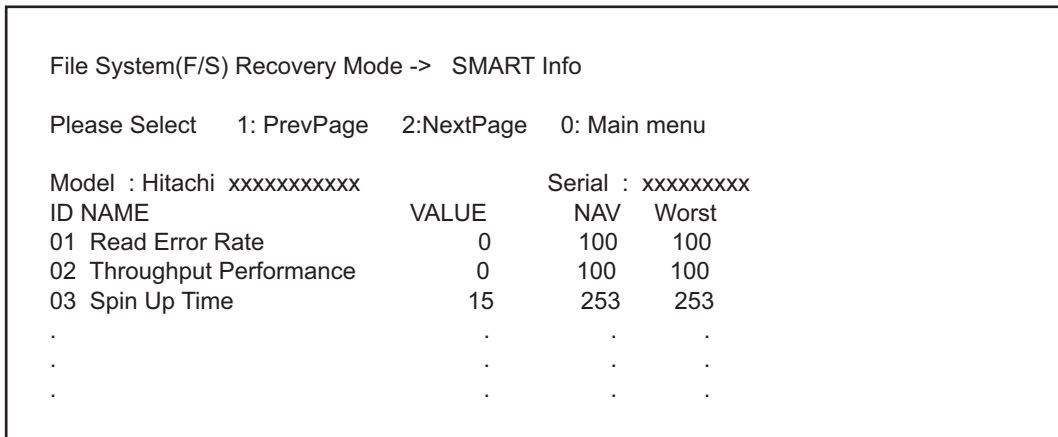


Fig.5-19

Remark:

- NAV: Normalized Attribute Value
Indicates the value of the specified HDD condition as compared to the manufacturer's optimum value.
- Worst: Worst Ever Normalized Attribute Value
Indicates the worst value of NAV permitted by the manufacturer.

Notes:

The values of NAV and Worst should be treated as a rough reference since their basis may differ depending on the specification of HDD manufacturers.

[F] Displaying usage rate of each partition (DISK Info)

The usage rate of each partition can be checked.

When this item is selected, the usage rate of each partition is displayed.

File System(F/S) Recovery Mode -> DISK Info			
0: Main menu			
Partition name	ALL(Mbyte)	FREE(Mbyte)	USE(%)
/	8737	5401	33.1%
/work	10326	9563	2.3%
/registration	3099	2861	2.6%
/backup	1036	949	3.3%
/imagedata	24778	23343	0.7%
/storage	26873	25332	0.7%
/encryption	--- encrypted partition ---		

Fig.5-20

Remark:

The disk information of a partition indicated as “Encrypted Partition” is not displayed as it is encrypted.

[G] Initialization of log file (HDD Utility)

Log files for researching can be deleted. Since only a certain amount of log files for researching is usually stored in the work area of an HDD, the use of this mode is not necessary. In case the performance level of the equipment is lowered (e.g.: the response of the control panel becomes extremely slow), make use of this mode. This phenomenon may be resolved.

5.12 SRAM Clear Mode (6C)

5.12.1 General description

This is a mode in which you can clear particular errors such as F800 or F900 without entering a Service Technician password.

For example, when SYS-SRAM is in an abnormal status or needs replacement but service technicians cannot log into the 3C mode, SRAM can be initialized by entering the SRAM clear mode (6C) and selecting item 1 below.

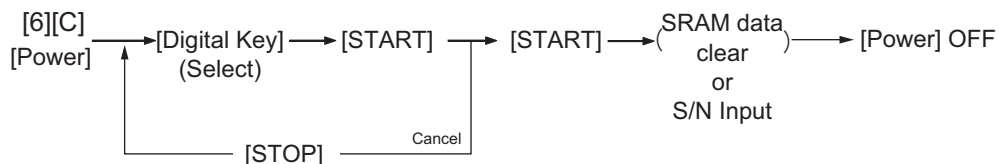
The content of item 1 in this mode is the same as that of item 4 in the 3C mode (Clear SRAM).

Use this mode to clear the SRAM data when a particular error occurs or service technicians cannot log in with their password and therefore cannot use the 3C mode.

Functions

- Sets the serial number of this equipment.
- Clears SRAM data when the 3C mode cannot be used.
- Clears F800 error.
- Clears F900 error.

5.12.2 Operation procedure



Turn the power ON while pressing the [6] and the [CLEAR] button simultaneously. Then the following screen is displayed.

Key in the desired item number and then press the [START] button.

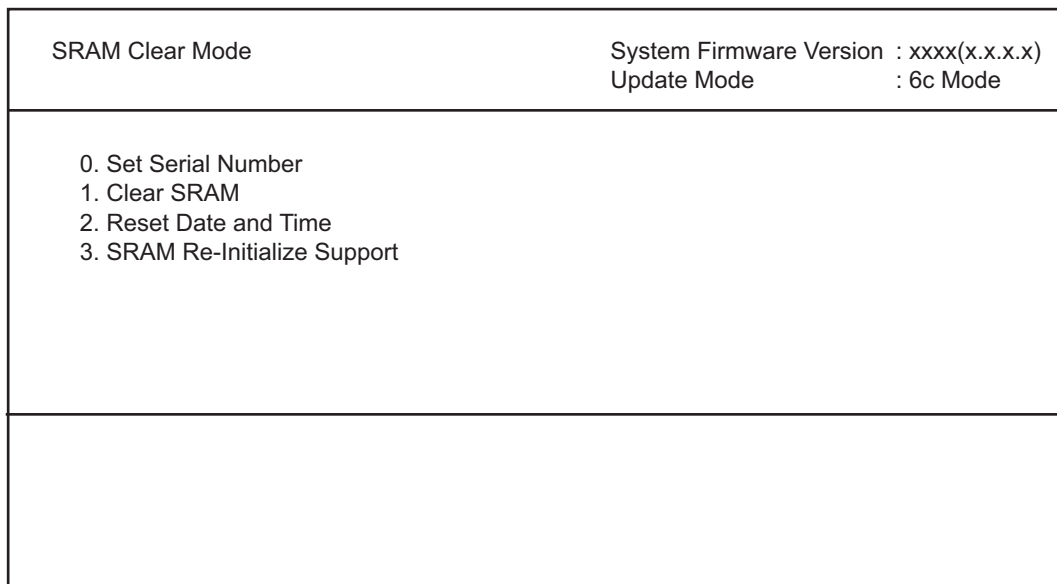


Fig.5-21

Notes:


- When "0" is keyed in and the [START] button is pressed, the menu to key in the serial number appears. Key in the serial number of this equipment and then press [OK] to determine the setting.
- Items 1 and 2 can be canceled while 0 and 3 cannot.
- When "3" is keyed in and the [START] button is pressed, the operation starts.

5.12.3 Functions

[A] 0. Set Serial Number

When replacing SYS-SRAM, select this to set the serial number of the equipment since it must be done in advance of recovery from SRAM backup data.

- Clear SRAM first and then set the serial number in this mode.
- Recover from SRAM backup data after setting the serial number.

Refer to  P. 12-2"12.1.4 Cloning procedure"

Select "0" and then press the [START] button. Then key in the serial number of this equipment. The keyed in serial number appears on the menu.

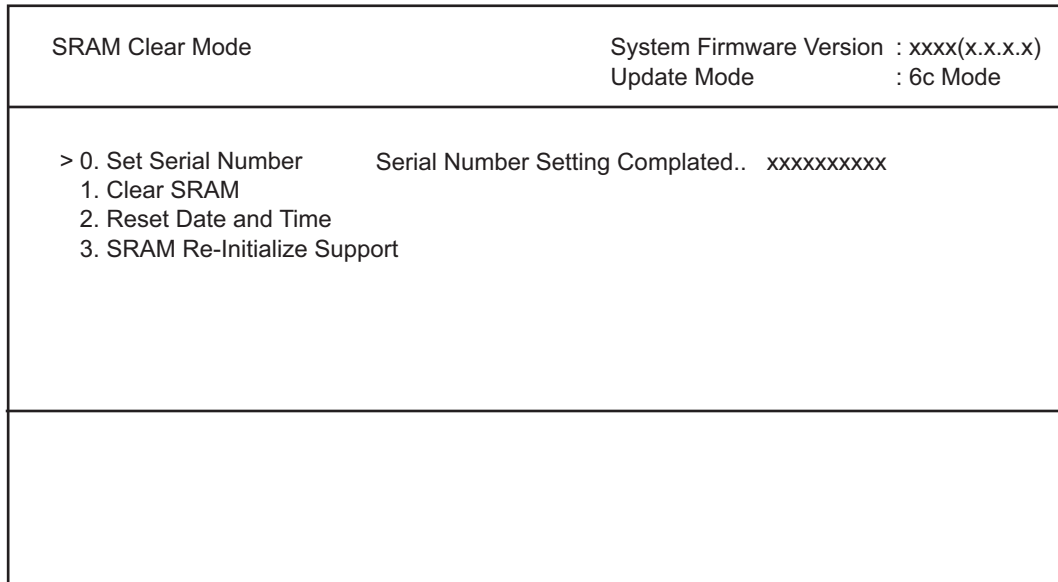



Fig.5-22

[B] 1. Clear SRAM

Select this to clear all SRAM data when replacing SYS-SRAM.

- Replace the SRAM board and then clear the SRAM data.
 - After clearing the SRAM data, initialize SRAM following its replacement procedure.
-  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"

Notes:

When this operation has been done, do not perform HDD partition creation (Format HDD) before the normal start-up.

[C] 2. Reset Date and Time


Select this to clear an F800 error which occurred when the date and time were set as after the end of the year 2037 or when the actual end of the year 2037 has come.

- After selecting this, start the equipment in the normal mode to reset the date and time.

[D] 3. SRAM Re-Initialize Support

Select this to clear an F900 error which occurred when SYS-SRAM and the SYS board are replaced at the same time, since this error cannot be cleared in the 3C mode.

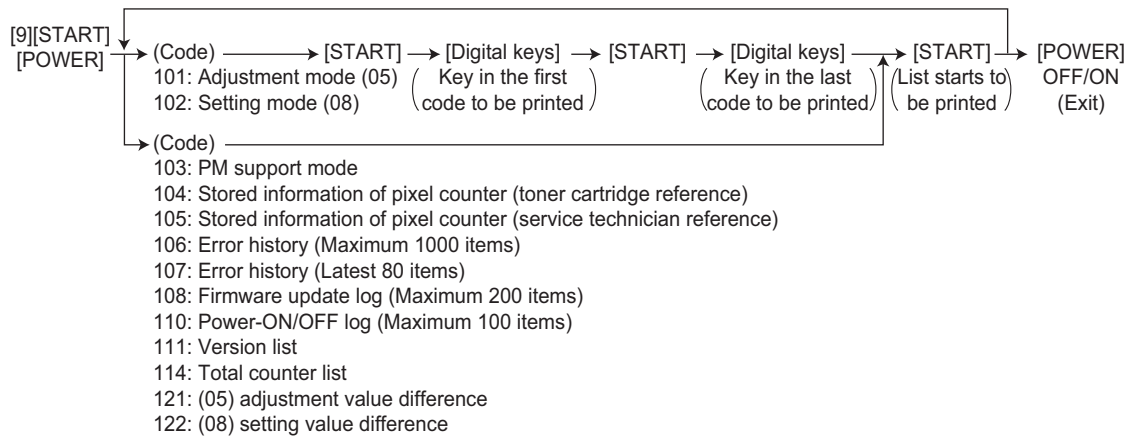
- After updating with a download jig and clearing the SRAM data, select this item.
- After selecting this, initialize SRAM following its replacement procedure.

 P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"

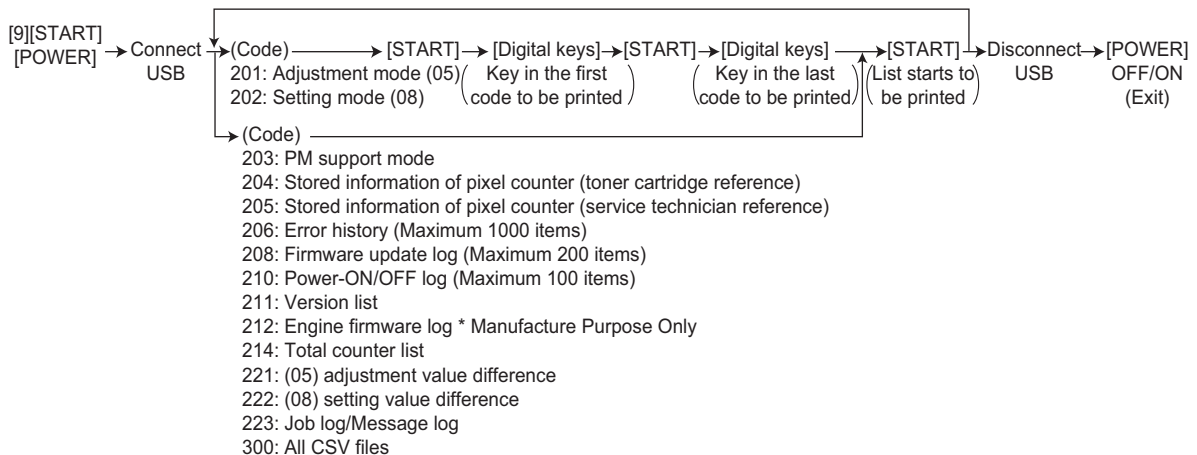
5.13 List print mode (9S)

5.13.1 Operation procedure

[1] Print out



[2] CSV output (USB)



Notes:

Precautions when storing information into USB media

- When storing the setting information of the equipment into a USB media, be sure to obtain permission from a user in advance.
- When storing the setting information of the equipment into a USB media, the information is printed out in a CSV format. Handle and manage the information with extra care.
- Do not lose or leak the setting information of the equipment.
- Do not use the setting information of the equipment for purposes other than maintenance or product services.
- Provide the information promptly if a user requires so.
- The buttons on the control panel keep blinking while data are being stored in the USB media. Do not disconnect the USB media while data are being stored.

Remarks:

In the USB storage procedure above, lists are stored in a CSV format. The names of the CSV files are shown below.

- 201: ADJUSTMENT_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 202: SETTING_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 203: PM_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 204: PIXEL_TONER_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 205: PIXEL_SERVICE_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 206: ERROR_LOG_serial_date and time(YYYYMMDDHHMMSS).csv
- 208: FW_UPGRADE_LOG_serial_date and time(YYYYMMDDHHMMSS).csv
- 210: POWER_ONOFF_LOG_serial_date and time(YYYYMMDDHHMMSS).csv
- 211: VERSION_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 212: ENG_FW_LOG_serial_date and time(YYYYMMDDHHMMSS).csv
- 214: TOTAL_COUNTER_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 221: 05DIFFERENCE_CODE_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 222: 08DIFFERENCE_CODE_LIST_serial_date and time(YYYYMMDDHHMMSS).csv
- 223: JOB_LOG_serial_date and time(YYYYMMDDHHMMSS) (encrypted file)/
MESSAGE_LOG_serial_date and time(YYYYMMDDHHMMSS) (encrypted file)

5.13.2 List Printing

Lists below are output in the list print mode.

List data are printed out or output in a CSV format by storing them in a USB media. Paper sizes available for this printing are A4 or LT or larger. This section introduces a sample of each list.

To start the list print mode, turn the power on while pressing [9] + [START] button.

Lists	List code	
	Printout	CSV file output
Adjustment mode (05) data list	101	201
Setting mode (08) data list	102	202
PM support mode data list	103	203
Pixel counter list (toner cartridge reference)	104	204
Pixel counter list (service call reference)	105	205
Error history list	106 (Maximum 1000 items)	206 (Maximum 1000 items)
Error history list	107 (Latest 80 items)	-
Firmware upgrade log	108 (Maximum 200 items)	208 (Maximum 200 items)
Power ON/OFF log	110 (Maximum 100 items)	210 (Maximum 100 items)
Version list	111	211
Engine firmware log	-	212
Total counter list	114	214
05 adjustment difference list (factory default and current values)	121	221
08 adjustment difference list (factory default and current values)	122	222
Job log/Message log ^{*2}	-	223
Output all CSV files	-	300 ^{*1}

*1: (05) adjustment value difference and (08) setting value difference are not output.

*2: Since the Job log/Message log file obtained is encrypted, you cannot read it.

- Adjustment mode (05)

05 ADJUSTMENT MODE DATA LIST				S/N: xxxxxxxx		TOTAL: 9999999	
20xx-xx-xx xx:xx				TOSHIBA e-STUDIOxxx		DF TOTAL: 9999999	
CODE	DATA	CODE	DATA	CODE	DATA	CODE	DATA
2000	128	3860	88	4830	128	5920	128
.
.
.
.
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Fig.5-23

The selected adjustment codes and the current adjustment value for each code are output in a list. See the following page for the adjustment code (05): Refer to Chapter 15 - "Adjustment Mode (05) Codes".

- Setting mode (08)

08 SETTING MODE		DATA LIST		S/N: xxxxxxxx		TOTAL: 9999999	
20xx-xx-xx xx:xx				TOSHIBA e-STUDIOxxx		DF TOTAL: 9999999	
CODE	DATA	CODE	DATA	CODE	DATA	CODE	DATA
2010	2	2880	12	3040	0	3070	0
.
.
.
.
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.
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.
.
.
.

Fig.5-24

The selected setting codes and the current setting value for each code are output in a list. See the following page for the setting code (08):
 Refer to Chapter 15 - "Setting Mode (08) Codes"

- PM support mode

PM SUPPORT CODE LIST				
		S/N: xxxxxxxx	TOTAL:	9999999
		TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999
20xx-xx-xx xx:xx				
UNIT	OUTPUT PAGES/ DEVELOP COUNTS	PM OUTPUT PAGE/ DEVELOP COUNTS	DRIVE COUNTS	PM DRIVE COUNTS
DRUM (K)	2516	70000	11735	170000
DRUM BLADE (K)	2516	70000	11735	170000
GRID (K)	2516	70000	11735	170000
MAIN CHARGER NEEDLE (K)	2516	70000	11735	170000
CHARGER CLEANING PAD (K)	2516	70000	11735	170000
DRUM (Y)	411	70000	8625	170000
DRUM BLADE (Y)	411	70000	8625	170000
GRID (Y)	411	70000	8625	170000
MAIN CHARGER NEEDLE (Y)	411	70000	8625	170000
CHARGER CLEANING PAD (Y)	411	70000	8625	170000
DRUM (M)	411	70000	8625	170000
DRUM BLADE (M)	411	70000	8625	170000
GRID (M)	411	70000	8625	170000
MAIN CHARGER NEEDLE (M)	411	70000	8625	170000
CHARGER CLEANING PAD (M)	411	70000	8625	170000
.
.
.

Fig.5-25

The number of pages currently output (OUTPUT PAGES/DEVELOP COUNTS), the recommended number of output pages for PM (PM OUTPUT PAGES/DEVELOP COUNTS), the current drive count (DRIVE COUNTS) and the recommended drive count for PM (PM DRIVE COUNTS) are output together with PM units. Use this list for confirming the PM units to be replaced at each PM. See the following page for PM:


 P. 7-1"7. PREVENTIVE MAINTENANCE (PM)"

- Stored information of pixel counter (toner cartridge reference)

PIXEL COUNTER CODE LIST		S/N: xxxxxxxx		TOTAL: 9999999			
20xx-xx-xx xx:xx		TOSHIBA e-STUDIOxxx		DF TOTAL: 9999999			
TONERCARTRIDGE							
No	DATE	COLOR	PPC	PRN	FAX	TOTAL	
0	20xx-xx-xx	Y	Print Count[LT/A4]	181	45	---	226
1	20xx-xx-xx	Y	Average Pixel Count[%]	2.70	1.74	---	2.51
2	20xx-xx-xx	Y	Latest Pixel Count[%]	6.15	0.39	---	0.39
3	20xx-xx-xx	M	Print Count[LT/A4]	181	45	---	226
4	20xx-xx-xx	M	Average Pixel Count[%]	6.11	2	---	5.29
5	20xx-xx-xx	M	Latest Pixel Count[%]	6.82	2.15	---	2.15
6	20xx-xx-xx	C	Print Count[LT/A4]	181	45	---	226
7	20xx-xx-xx	C	Average Pixel Count[%]	5.46	2	---	4.81
8	20xx-xx-xx	C	Latest Pixel Count[%]	6.42	2.73	---	2.73
9	20xx-xx-xx	K	Print Count[LT/A4]	278	145	9	432
10	20xx-xx-xx	K	Average Pixel Count[%]	6.15	3.86	23.25	5.74
11	20xx-xx-xx	K	Latest Pixel Count[%]	7.32	2.19	6.25	2.19

Fig.5-26

Pixel counter data (toner cartridge reference) are output in a list. See the following page for the pixel counter:


 P. 5-47"5.14 Pixel counter"

- Stored information of pixel counter (service technician reference)

PIXEL COUNTER CODE LIST			S/N: xxxxxxxx	TOTAL:	9999999	
			TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999	
20xx-xx-xx xx:xx						
SERVICEMAN						
No	DATE	COLOR	PPC	PRN	FAX	TOTAL
0	20xx-xx-xx	F Print Count[LT/A4]	181	45	---	226
1	20xx-xx-xx	F Average Pixel Count[%]	4.95	2.34	---	4.43
2	20xx-xx-xx	F Latest Pixel Count[%]	8.36	2.34	---	2.34
3	20xx-xx-xx	Y Print Count[LT/A4]	181	45	---	226
4	20xx-xx-xx	Y Average Pixel Count[%]	2.7	1.74	---	2.51
5	20xx-xx-xx	Y Latest Pixel Count[%]	6.15	0.39	---	0.39
6	20xx-xx-xx	M Print Count[LT/A4]	181	45	---	226
7	20xx-xx-xx	M Average Pixel Count[%]	6.11	2	---	5.29
8	20xx-xx-xx	M Latest Pixel Count[%]	6.82	2.15	---	2.15
9	20xx-xx-xx	C Print Count[LT/A4]	181	45	---	226
10	20xx-xx-xx	C Average Pixel Count[%]	5.46	2.18	---	4.81
11	20xx-xx-xx	C Latest Pixel Count[%]	6.42	2.73	---	2.73
12	20xx-xx-xx	K Print Count[LT/A4]	181	45	---	226
13	20xx-xx-xx	K Average Pixel Count[%]	5.51	3.43	---	5.10
14	20xx-xx-xx	K Latest Pixel Count[%]	14.05	4.10	---	4.10
15	20xx-xx-xx	K Print Count[LT/A4]	97	100	9	206
16	20xx-xx-xx	K Average Pixel Count[%]	7.36	4.06	23.25	6.45
17	20xx-xx-xx	K Latest Pixel Count[%]	7.32	2.19	6.25	2.19

Fig.5-27

Pixel counter data (service call reference) are output in a list. See the following page for the pixel counter:

 P. 5-47"5.14 Pixel counter"

- Error history

ERROR HISTORY LIST						S/N: xxxxxxxx	TOTAL:	9999999
						TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999
20xx-xx-xx xx:xx								
CODE	COUNTER	DATE	TIME	ZOOM_XY	ABCD EFHI JLOP QR			
F110	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
F110	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
F110	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
F110	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
F110	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
EAD0	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
E860	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
E731	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
E090	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
E870	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			
E724	00000000	xxx-xx-xx	xx:xx:xx	000 000	0000_0000_0000_0_0000000000			

Fig.5-28

The error history is output. See the following page for the parameters for each error:

 P. 8-257"8.3.25 Printer function error"

- Firmware update log

```

FW UPGRADE LOG

S/N: xxxxxxxx          TOTAL:      9999999
TOSHIBA e-STUDIOxxx   DF TOTAL:  9999999

20xx-xx-xx xx:xx

MANUFACTURE DATE  20xx-xx-xx
UNPACKING DATE   20xx-xx-xx

USER  ROM/VERSION  DATE    TOTAL    COPY(B)  COPY(2)  COPY(C)  PRINT(B)  PRINT(2)  PRINT(C)  LIST    FAX    STATUS
Service Txxxxxx-xxxx 20xx-xx-xx 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 OK
Service Txxxxxx-xxxx 20xx-xx-xx 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 OK
Service Txxxxxx-xxxx 20xx-xx-xx 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 99999999 OK
.      .      .      .      .      .      .      .      .      .      .      .      .
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.      .      .      .      .      .      .      .      .      .      .      .      .

```

Fig.5-29

Firmware update logs are output.

- MANUFACTURE DATE: the date of manufacture / UNPACKING DATE: the date that the equipment was unpacked.
- Only the versions of ROMs updated with USB media are output.

Item	Content
USER	User who updated firmware
ROM/VERSION	Version of firmware
DATE	Date that firmware was updated
TOTAL	Total counter data when firmware was updated
COPY (B)	Copier counter data (black) when firmware was updated
COPY (2)	Copier counter data (twin color) when firmware was updated
COPY (C)	Copier counter data (full color) when firmware was updated
PRINT (B)	Printer counter data (black) when firmware was updated
PRINT (2)	Printer counter data (twin color) when firmware was updated
PRINT (C)	Printer counter data (full color) when firmware was updated
LIST	List print counter data when firmware was updated
FAX	Fax print counter data when firmware was updated
STATUS	Result of update

- Power-ON/OFF log

```

POWER ON_OFF LOG
S/N: xxxxxxxx      TOTAL:      9999999
TOSHIBA e-STUDIOxxx DF TOTAL:  9999999

20xx-xx-xx xx:xx

DATE  TIME  FUNCTION  TOTAL  DATE  TIME  FUNCTION  TOTAL
xxxx-xx-xx xx:xx:xx ON      99999999  xxxx-xx-xx xx:xx:xx ON      99999999
xxxx-xx-xx xx:xx:xx OFF     99999999  xxxx-xx-xx xx:xx:xx OFF     99999999
xxxx-xx-xx xx:xx:xx ON      99999999  xxxx-xx-xx xx:xx:xx ON      99999999
xxxx-xx-xx xx:xx:xx OFF     99999999  xxxx-xx-xx xx:xx:xx OFF     99999999
xxxx-xx-xx xx:xx:xx ON      99999999  xxxx-xx-xx xx:xx:xx RMT_OFF  99999999
xxxx-xx-xx xx:xx:xx OFF     99999999
xxxx-xx-xx xx:xx:xx ON      99999999
xxxx-xx-xx xx:xx:xx OFF     99999999
xxxx-xx-xx xx:xx:xx RMT_OFF  99999999
xxxx-xx-xx xx:xx:xx OFF     99999999
.      .      .      .
.      .      .      .
.      .      .      .

```

Fig.5-30

Power ON/OFF logs are output.

- Note that cases that the power was turned OFF with the main switch (not with the [ON/OFF] button on the control panel) will not be displayed.

Item	Content
DATE	Date that the power was turned ON or OFF
TIME	Time that the power was turned ON or OFF
FUNCTION	Whether the power was turned ON or OFF, or if it was turned ON or OFF with a remote reset function
TOTAL	Total counter data when the power was turned OFF and then back ON

- Version list

```

VERSION LIST
S/N: xxxxxxxx          TOTAL:      9999999
TOSHIBA e-STUDIOxxx   DF TOTAL:   9999999

20xx-xx-xx xx:xx

SYSTEM FIRMWARE ROM VERSION      : Txxxxxxxxxxxx
SYSTEM FIRMWARE INTERNAL ROM VERSION: Vx.x.x.xx.xx
PRINTER ROM VERSION              : xxxM-xxx
SCANNER ROM VERSION              : xxxS-xxx
PFC ROM VERSION                  : xxxF-xxx
RADF ROM VERSION                 : DF-xxx
FINISHER STACKER ROM VERSION     : FIN-
FINISHER SADDLE ROM VERSION      : SDL-
FINISHER PUNCH ROM VERSION       : PUN-
CONVERTER ROM VERSION            : CNV-xxx
FAX BOARD FIRMWARE ROM VERSION   : Fxx-xxx
SYSTEM FIRMWARE OS VERSION       : Vx.xxx.x.x
HDD DATA VERSION                : Txxxxxxxxxxxx
LANGUAGE VERSION
  English(US)                    : xxx.xxx  xxx xxx xx xx:xx:xx xxxxx
  .                                .
  .                                .
  .                                .

CAPACITY OF HDD                  : xx.x GB
DEVICE INFORMATION OF HDD        : xxx xxxxxxx-xxxxxx
SERIAL NUMBER OF HDD             : xx-xxxxxxxxxxxxx
MEMORY SIZE                      : xxxx MB / xxxx MB
INSTALLED ELK NAME               : Data overwrite enabler
                                 IPsec enabler
                                 Meta scan enabler
                                 External interface enabler
                                 .
                                 .
                                 .

```

Fig.5-31

The list of versions is output.

Notes:

Some of the characters in the fonts that are used to print the version list are not supported. As a result, the language names under LANGUAGE VERSION may not be printed correctly when printing the version list.

- Engine firmware log

```
ENGINE FW LOG
20xx/xx/xx xx:xx
TOSHIBA e-STUDIOxxxx
Cxxxxxxxxx
FIN S/N-xxxxxxxxx
TOTAL, 9999999, DF TOTAL, 9999999

CODE      SUB  DATA
4624      0    0
4624      1    0
4624      2   58
4624      3    3
4624      4   58
4624      5    3
4624      6    0
4624      7   56
4624      8    3
4624      9    0
4624     10   41
4624     11    1
4624     12   29
4624     13    7
4624     14    0
4624     15    0
4624     16    0
4624     17    0
4624     18    0
4624     19    0
4624     20    0
.         .    .
.         .    .
.         .    .
.         .    .
.         .    .
```

Fig.5-32

The log of engine firmware is output.

- Total counter list

TOTAL COUNTER LIST		S/N: xxxxxxxx	TOTAL:	9999999	
20xx-xx-xx xx:xx		TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999	
PRINT COUNTER					
TOTAL					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
COPY	37	0	1	0	38
FAX	0	0	0	0	0
PRINTER	122	0	60	0	182
LIST	0	0	0	0	0
TOTAL	159	0	61	0	220
COPY					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	37	0	1	0	38
LARGE	0	0	0	0	0
TOTAL	37	0	1	0	38
FAX					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	0	0	0	0	0
LARGE	0	0	0	0	0
TOTAL	0	0	0	0	0
PRINTER					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	118	0	60	0	178
LARGE	4	0	0	0	4
TOTAL	122	0	60	0	182
LIST					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	0	0	0	0	0
LARGE	0	0	0	0	0
TOTAL	0	0	0	0	0
CALIBRATION COUNTER : 0					
SCAN COUNTER					
TOTAL					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
COPY	7	0	1	0	8
FAX	0	0	0	0	0
NETWOF	0	0	0	0	0
TOTAL	7	0	1	0	8
COPY					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	7	0	1	0	8
LARGE	0	0	0	0	0
TOTAL	7	0	1	0	8
FAX					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	0	0	0	0	0
LARGE	0	0	0	0	0
TOTAL	0	0	0	0	0
NETWORK					
		FULL COLOR	TWIN/MONO	COLOR BLACK	TOTAL
SMALL	0	0	0	0	0
LARGE	0	0	0	0	0
TOTAL	0	0	0	0	0

Fig.5-33

The list of total counter is output.

- (05) adjustment value/(08) setting value difference

05 DIFFERENCE LIST			S/N: xxxxxxxx TOTAL: 9999999		
xx-xx-xx xx:xx			TOSHIBA e-STUDIOxxxx DF TOTAL: 9999999		
CODE	BACKUP	CURRENT	CODE	BACKUP	CURRENT
* 2400	128	160			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			
.	.	.			

Fig.5-34

The function in which the 05/08 setting value differences between the factory default and the current value can be printed or output with a CSV file.

The list of differences between the current and the backed-up values of the (05) adjustment and the (08) setting values is output. "*" is marked on the left side of the code if there is a difference, and "+" is marked on the left side of the code if there is no backed-up value.

Notes:

- Back-up data of the factory default are automatically created when the automatic gamma adjustment of the easy set-up mode has been completed during the unpacking and setting up of the equipment. The back-up file is retained even if the firmware is upgraded. However, the file is deleted when 3C-3 (Format HDD) is performed or HDD/SSD is replaced.
- A back-up file does not exist for equipment to which the easy set-up mode has been performed before this function is applied.
- When the easy set-up mode is restarted while a specified value such as 4 through 8 is set for 08-9022 (Production process management status for easy setup), the back-up file stored during unpacking and setting up after the completion of the automatic gamma adjustment is deleted, and another file as of then is newly created.

- When no back-up file exists

When 9S-121 (122) is performed, the equipment returns to the ready state of the 9S mode without performing printing.

When 9S-221 (222) is performed, the equipment returns to the ready state of the 9S mode and the error message "The file cannot be saved." appears on the panel.

- When you want to create a back-up file if one does not exist

A back-up file can be automatically created after the completion of the automatic gamma adjustment when the easy set-up mode is restarted while a specified value such as 4 through 8 is set for 08-9022 (Production process management status for easy setup).

In this case, the current values are stored in the file, but not the ones for unpacking and setting up.

5.14 Pixel counter

5.14.1 Outline

[1] Outline

Pixel counter is a function that counts the number of dots emitted by the laser and converts it into the print ratio (%) per standard paper size. This "Print ratio (%) per standard paper size" is called Pixel count (%).

This function enables you to know how each user uses the equipment and to grasp the tendency of toner consumption (number of output pages per cartridge).

However, its accuracy is not sufficient for it to be used to determine the actual toner consumption. This is because, some of the factors in [2] below are not taken into account by the pixel counter.

[2] Factors affecting toner consumption

Standard number of output pages per cartridge shows the average number of output pages under the condition that the data of print ratio 5% is printed on the standard paper size (A4/LT) at a normal temperature and humidity.

However, users do not always print under the above condition. As for the type of original, copy/print mode and environment, each user has different tendency, and as a result, the number of output pages per cartridge becomes different depending on the user.

The major factors affecting toner consumption are as follows:

- Original/Data coverage
- Original/Data density
- Original/Print mode
- Density setting
- Print Pattern

Character images (e.g. Text) consume more toner than solid images even though they may have the same density. This is due to the "edge effect".

- Number of pages per job

Toner consumption testing is made in the "continuous running mode". More toner is required when printing in the non-continuous running mode.

- Number of image quality control

Image quality control is performed automatically when the device is switched on, when it returns from sleep mode, and also during continuous running. Toner consumption may vary depending on the number of image quality adjustments performed during operation.

- Paper

The size, feeding direction and type of paper influence toner consumption.

- Environmental conditions

Temperature and Humidity affect toner consumption.

- Others

In addition to the above, there are other factors that may influence toner consumption. These include variations between individual products, life of consumable, bias voltages, Drum surface potential, etc.

The general relations between the above 4 factors and toner consumption per output page in the copy function are as follows:

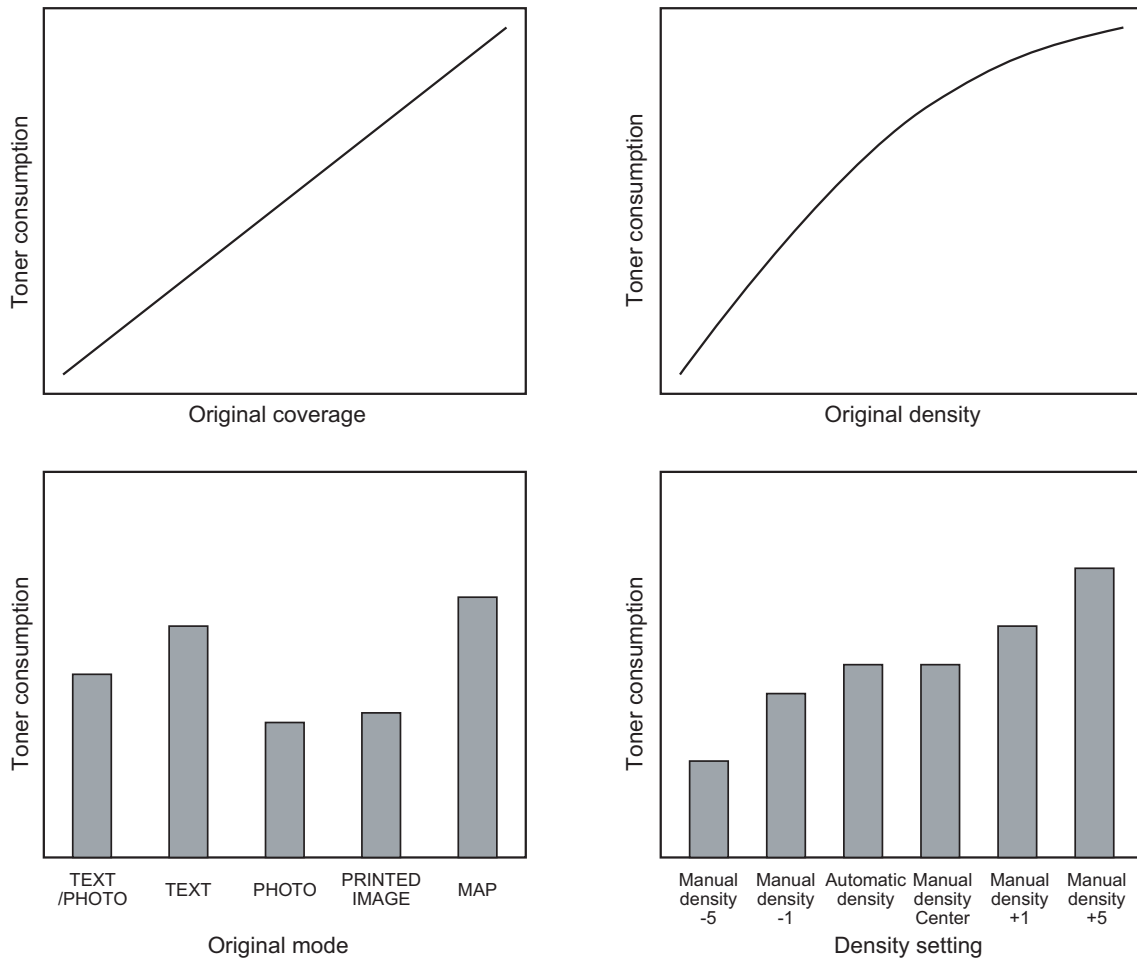


Fig.5-1

[3] Details of pixel counter

- Toner cartridge reference and service technician reference
The pixel counter function in this equipment has 2 references, toner cartridge reference and service technician reference.

Toner cartridge reference

This is a system that accumulates data between the installation of a new toner cartridge and next installation.

The installation of new toner cartridge is judged when the total number of pixel count or output pages after the detection of toner cartridge empty has exceeded the threshold.

The threshold to be used is selectable in the setting mode (08-6506) between the pixel count and output pages (0: Output pages 1: Pixel counter). The threshold of pixel count is set in the setting mode (08-6508) and that of output pages is set in the setting mode (08-6507). When the new toner cartridge is judged as installed, the data related with the previous cartridge is cleared and replaced with the data after the installation of new cartridge. Clearing of the counter of the toner cartridge reference is performed in the setting mode (08-6503).

Service technician reference

This is a system that accumulates data between clearing the counter of the service technician reference by service technician and subsequently clearing the same counter.

Clearing of the counter of the service technician reference is performed in the setting mode (08-6502).

- Print count (number of output pages)

The number of output pages shown at the pixel counter is counted after converting all paper sizes to the standard paper size (A4/LT). Printing on other than the standard size is converted by paper area ratio. The standard paper size is set in the setting mode (08-6500).

The examples of conversion are as follows:

Ex.)

“1” is added to the print count when printing on A4/LT size.

“2” is added to the print count when printing on A3/LD size. (area ratio to A4/LT: 200%)

“1.49” is added to the print count when printing on B4 size. (area ratio to A4: 149%)

“1.27” is added to the print count when printing on LG size. (area ratio to LT: 127%)

- Pixel count (%)

Pixel count (%) shows the ratio of laser emitting pixels to all pixels on standard paper.

The examples of pixel count are as follows:

Notes:

In the following examples, 'solid copy' is considered to be 100%. But since the image has 4 margins, it never becomes 100% actually.

Ex.)

Printing 5 pages on A4/LT size with solid copy (Laser emits to all pixels.)

→ Pixel count: 100%, Print count: 5

Printing 5 pages on A4/LT size with blank copy (Laser never emits.)

→ Pixel count: 0%, Print count: 5

Printing 2 pages on A4/LT size with solid copy (Laser emits to all pixels.)

Printing 2 pages on A4/LT size with blank copy (Laser never emits.)

→ Pixel count: 0%, Print count: 5

Printing 3 pages on A4/LT size with 6% of laser emission

Printing 1 page on A4/LT size with 2% of laser emission

→ Pixel count: 0%, Print count: 5

Printing 2 pages on A3/LD size with solid copy (Laser emits to all pixels.)

→ Pixel count: 0%, Print count: 5

Printing 2 pages on A3/LD size with 6% of laser emission

→ Pixel count: 0%, Print count: 5

- Average pixel count (%) and latest pixel count (%)
There are 2 types of the value calculated as the pixel count, average pixel count (%) and latest pixel count (%).

Average pixel count (%)

The average value of all pixel count data after each reference data is cleared is calculated and displayed.

Latest pixel count (%)

The value is displayed for printing just before the pixel counter is confirmed.

- Type of calculated data
Since this is multifunctional and color equipment, the data of pixel count is calculated for each function and color.
The following list is the information that can be confirmed by LCD screen. But actually, more information can be confirmed by the setting mode (08).
See after-mentioned “5)-Display in the setting mode (08)” for details.

Table 2-201 Type of calculated data

	Toner cartridge reference				Service technician reference					
	Yellow	Magenta	Cyan	Black	Full color/Twin color					Black
					Total	Yellow	Magenta	Cyan	Black	
Copier function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Printer function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FAX function	No	No	No	Yes	No	No	No	No	No	Yes
Total	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Yes: With data
No: Without data

- Setting related with the pixel counter function
Standard paper size setting
The standard paper size (A4 or LT) to convert it into the pixel count is selected (08-6500).

Pixel counter display setting

Whether or not to display the pixel counter on the LCD screen is selected (08-6504).

Display reference setting

The reference when displaying the pixel counter on the LCD screen (toner cartridge reference or service technician reference) is selected (08-6505).

Determination counter of toner empty

This is the counter to determine the replacement of new toner cartridge after the toner empty is detected.

After the toner empty is detected by the auto-toner sensor, this counter checks if toner empty is not detected one more time while the specified number of pixel count or output pages is counted.

Pixel counter clearing

There are 3 types for the pixel count clear as follows:

08-6501: All information related to the pixel count is cleared.

08-6502: All information related to the service technician reference pixel count is cleared.

08-6503: All information related to the toner cartridge reference pixel count is cleared.

[4] Relation between pixel count and toner consumption

The user's printing out the image with large coverage or high density may cause the large value of pixel count. And the setting that toner consumption becomes high in the original mode or density setting may cause it as well.

In this case, the replacement cycle of toner cartridge is faster than the standard number of output pages. Therefore, this trend needs to be grasped for the service.

The relation between pixel count and number of output pages per cartridge is as follows:

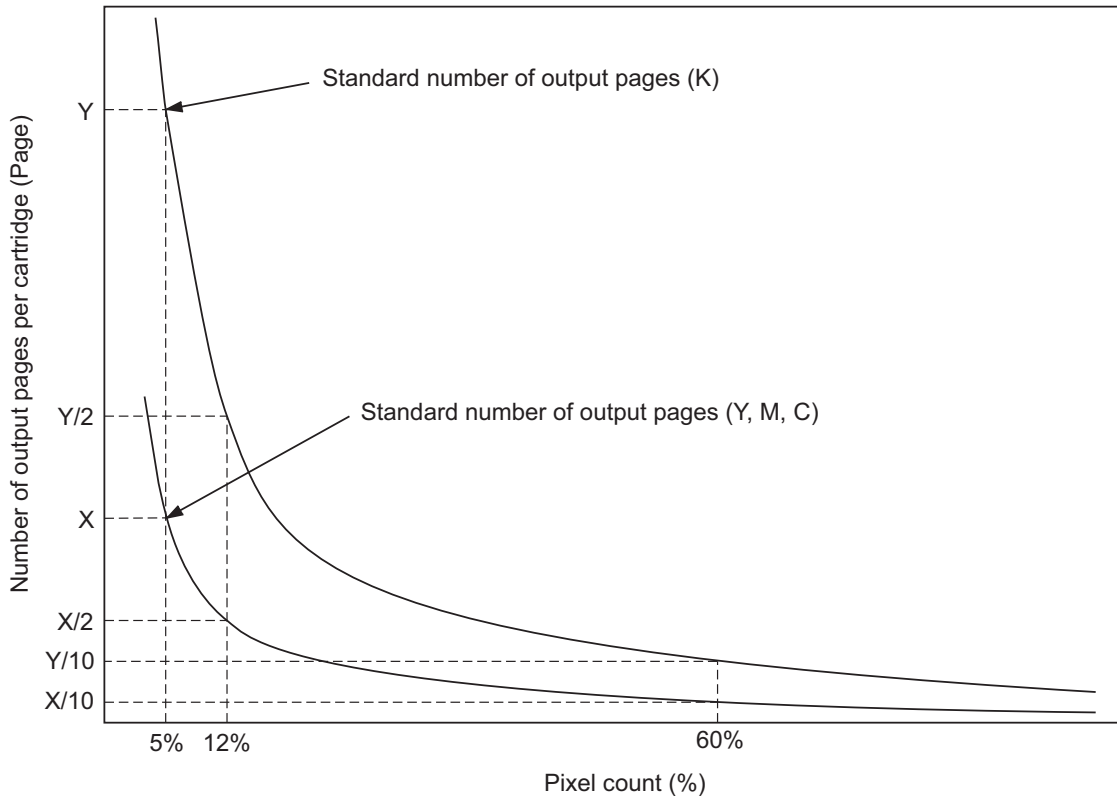


Fig.5-2 Pixel count and number of output pages per cartridge

[5] Pixel counter confirmation

- Display on LCD screen

Whether or not to display the pixel counter on the LCD screen is selected (0: Displayed, 1: Not displayed) in the setting mode (08-6504), and whether or not to display it at the service technician reference or toner cartridge reference is selected (0: Service technician reference, 1: Toner cartridge reference) in the setting mode (08-6505).

The following screen is displayed when the buttons, [COUNTER] and [PIXEL COUNTER] are pressed in this order after "Displayed" is selected with the code above and the power is, as usual, turned ON. (The displayed buttons are depending on the setting of 08-6505.)

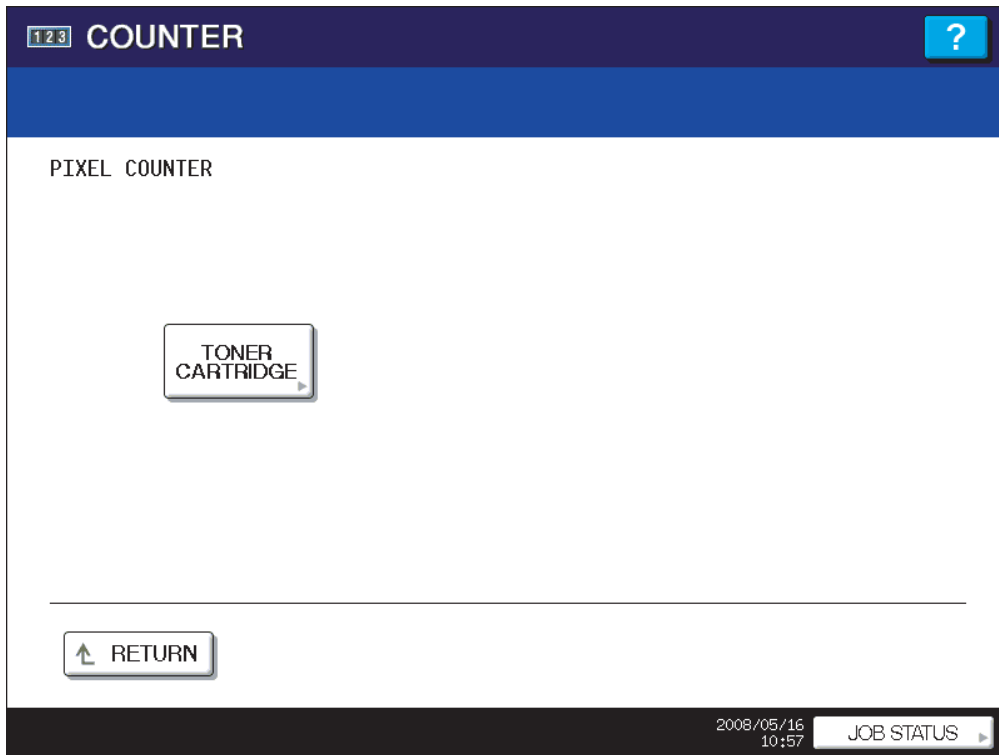


Fig.5-3

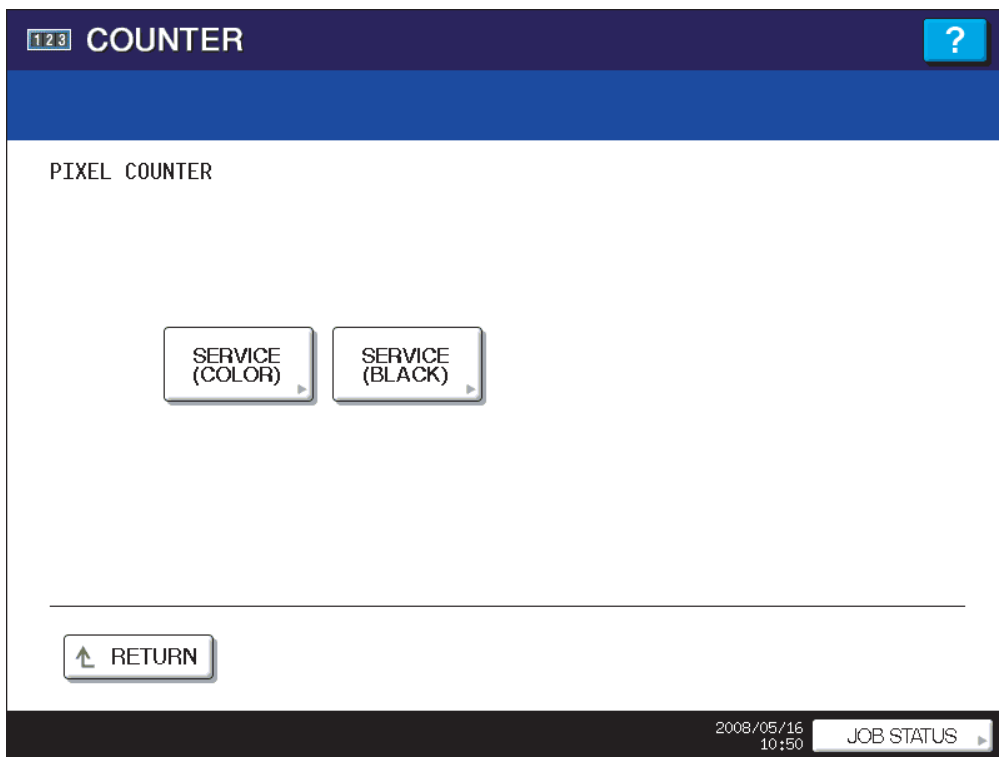


Fig.5-4 Reference selection screen

When selecting and pressing the button in the above screen, each pixel counter screen is displayed.

[TONER CARTRIDGE] button: Information screen of toner cartridge reference is displayed.

[SERVICE (COLOR)] button: Information screen of service technician reference (full color) is displayed.

[SERVICE (BLACK)] button: Information screen of service technician reference (black) is displayed.

The following screen is displayed when pressing the [TONER CARTRIDGE] button.

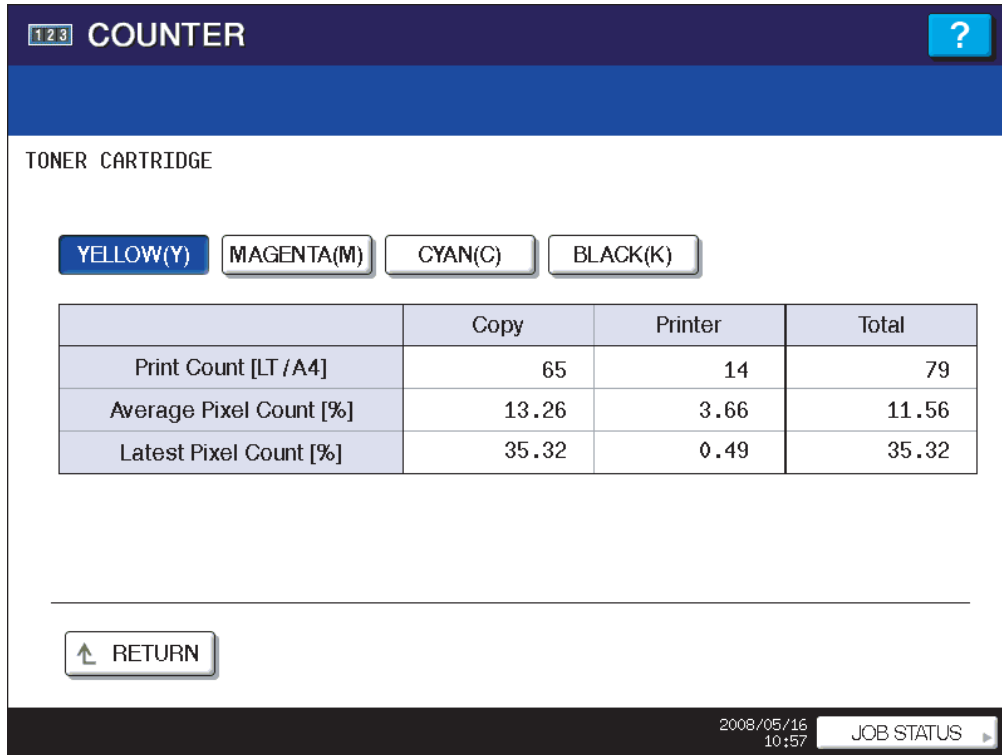


Fig.5-5 Information screen of toner cartridge reference

The following screen is displayed when pressing the [SERVICE (COLOR)] button.

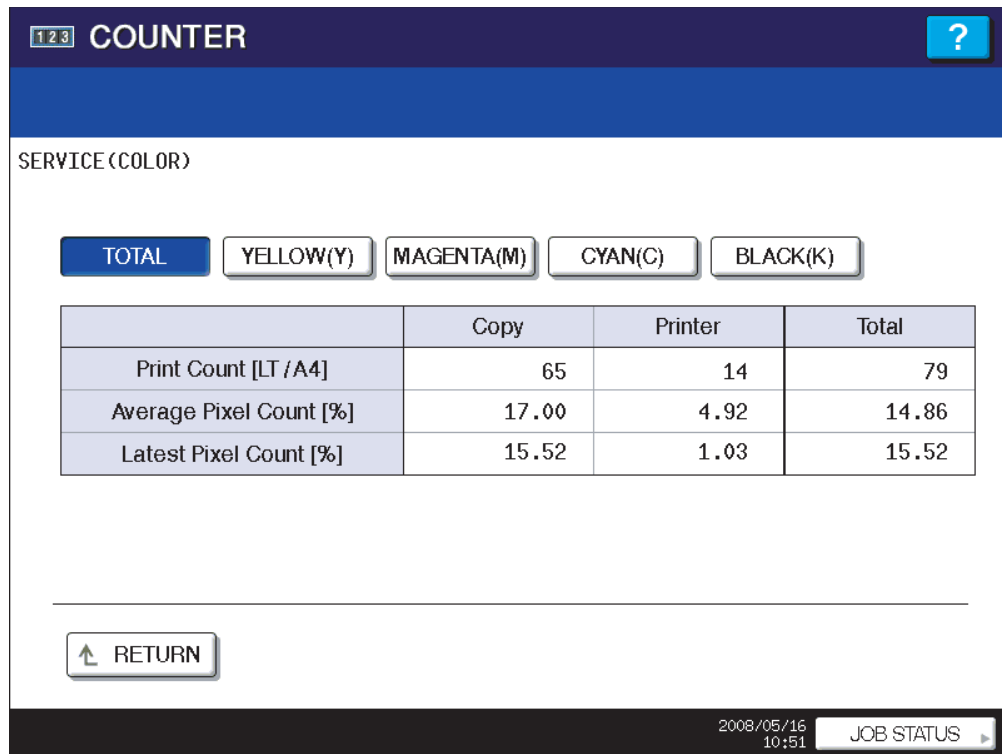


Fig.5-6 Information screen of service technician reference (full color)

The following screen is displayed when pressing the [SERVICE (BLACK)] button.

COUNTER ?

SERVICE (BLACK)

	Copy	Printer	Fax	Total
Print Count [LT / A4]	6	220	0	226
Average Pixel Count [%]	15.75	0.07	0.00	0.49
Latest Pixel Count [%]	2.78	2.60	0.00	2.60

↑ RETURN

2008/05/16 10:51 JOB STATUS

Fig.5-7 Information screen of service technician reference (black)

- Data list printing

The data for pixel counter can be printed in the list print mode (9S).

9S-104: The data of the toner cartridge reference is printed.

9S-105: The data of service technician reference is printed.

PIXEL COUNTER CODE LIST		S/N: xxxxxxxx	TOTAL:	9999999			
20xx-xx-xx xx:xx		TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999			
TONERCARTRIDGE							
No	DATE	COLOR	PPC	PRN	FAX	TOTAL	
0	20xx-xx-xx	Y	Print Count[LT/A4]	181	45	---	226
1	20xx-xx-xx	Y	Average Pixel Count[%]	2.70	1.74	---	2.51
2	20xx-xx-xx	Y	Latest Pixel Count[%]	6.15	0.39	---	0.39
3	20xx-xx-xx	M	Print Count[LT/A4]	181	45	---	226
4	20xx-xx-xx	M	Average Pixel Count[%]	6.11	2	---	5.29
5	20xx-xx-xx	M	Latest Pixel Count[%]	6.82	2.15	---	2.15
6	20xx-xx-xx	C	Print Count[LT/A4]	181	45	---	226
7	20xx-xx-xx	C	Average Pixel Count[%]	5.46	2	---	4.81
8	20xx-xx-xx	C	Latest Pixel Count[%]	6.42	2.73	---	2.73
9	20xx-xx-xx	K	Print Count[LT/A4]	278	145	9	432
10	20xx-xx-xx	K	Average Pixel Count[%]	6.15	3.86	23.25	5.74
11	20xx-xx-xx	K	Latest Pixel Count[%]	7.32	2.19	6.25	2.19

Fig.5-8 Data list of toner cartridge reference

PIXEL COUNTER CODE LIST		S/N: xxxxxxxx	TOTAL:	9999999		
		TOSHIBA e-STUDIOxxx	DF TOTAL:	9999999		
20xx-xx-xx xx:xx						
SERVICEMAN						
No	DATE	COLOR	PPC	PRN	FAX	TOTAL
0	20xx-xx-xx	F Print Count[LT/A4]	181	45	---	226
1	20xx-xx-xx	F Average Pixel Count[%]	4.95	2.34	---	4.43
2	20xx-xx-xx	F Latest Pixel Count[%]	8.36	2.34	---	2.34
3	20xx-xx-xx	Y Print Count[LT/A4]	181	45	---	226
4	20xx-xx-xx	Y Average Pixel Count[%]	2.7	1.74	---	2.51
5	20xx-xx-xx	Y Latest Pixel Count[%]	6.15	0.39	---	0.39
6	20xx-xx-xx	M Print Count[LT/A4]	181	45	---	226
7	20xx-xx-xx	M Average Pixel Count[%]	6.11	2	---	5.29
8	20xx-xx-xx	M Latest Pixel Count[%]	6.82	2.15	---	2.15
9	20xx-xx-xx	C Print Count[LT/A4]	181	45	---	226
10	20xx-xx-xx	C Average Pixel Count[%]	5.46	2.18	---	4.81
11	20xx-xx-xx	C Latest Pixel Count[%]	6.42	2.73	---	2.73
12	20xx-xx-xx	K Print Count[LT/A4]	181	45	---	226
13	20xx-xx-xx	K Average Pixel Count[%]	5.51	3.43	---	5.10
14	20xx-xx-xx	K Latest Pixel Count[%]	14.05	4.10	---	4.10
15	20xx-xx-xx	K Print Count[LT/A4]	97	100	9	206
16	20xx-xx-xx	K Average Pixel Count[%]	7.36	4.06	23.25	6.45
17	20xx-xx-xx	K Latest Pixel Count[%]	7.32	2.19	6.25	2.19

Fig.5-9 Data list of service technician reference

- Display in the setting mode (08)
Information of pixel count can be also checked in the setting mode (08).
For details, see Chapter 15 - "Setting Mode (08) Codes".

Print count, pixel count

Table 2-202 Pixel count code table (toner cartridge reference)

		Full color/Twin color				Black	Black (at color) + Black
		Yellow	Magenta	Cyan	Black		
Copier function	Print count (page)	6567	6569	6571	6562	6563	-
	Average pixel count (%)	6619	6620	6621	6622	6623	6624
	Latest pixel count (%)	6636	6637	6638	6639	6724	-
Printer function	Print count (page)	6568	6570	6572	6564	6565	-
	Average pixel count (%)	6625	6626	6627	6628	6629	6630
	Latest pixel count (%)	6640	6641	6642	6643	6725	-
FAX function	Print count (page)	-	-	-	-	6566	-
	Average pixel count (%)	-	-	-	-	6635	-
	Latest pixel count (%)	-	-	-	-	6644	-
Total	Average pixel count (%)	6631	6632	6633	-	-	6634

Table 2-203 Pixel count code table (service technician reference)

		Full color/Twin color					Black
		Total	Yellow	Magenta	Cyan	Black	
Copier function	Print count (page)	6557	-	-	-	-	6558
	Average pixel count (%)	6587	6588	6589	6590	6591	6602
	Latest pixel count (%)	6606	6607	6608	6609	6610	6616
Printer function	Print count (page)	6559	-	-	-	-	6560
	Average pixel count (%)	6592	6593	6594	6595	6596	6603
	Latest pixel count (%)	6611	6612	6613	6614	6615	6617

		Full color/Twin color					Black
		Total	Yellow	Magenta	Cyan	Black	
FAX function	Print count (page)	-	-	-	-	-	6561
	Average pixel count (%)	-	-	-	-	-	6604
	Latest pixel count (%)	-	-	-	-	-	6618
Total	Average pixel count (%)	6597	6598	6599	6600	6601	6605

Pixel count distribution

Table 2-204 Pixel count code table

		Full color/Twin color				Black
		Yellow	Magenta	Cyan	Black	
Copier function	Print count distribution (page)	6713	6714	6715	6716	6721
Printer function	Print count distribution (page)	6717	6718	6719	6720	6722
FAX function	Print count distribution (page)	-	-	-	-	6723

Notes:

By entering the sub code at the above code, the pixel count distribution can be displayed dividing into 10 ranges. The sub codes are as follows.

0: 0 - 5% 1: 5.1 - 10% 2: 10.1 - 15% 3: 15.1 - 20% 4: 20.1 - 25%
5: 25.1 - 30% 6: 30.1 - 40% 7: 40.1 - 60% 8: 60.1 - 80% 9: 80.1 - 100%

Other information

Toner cartridge replacement counter.

The toner cartridge replacement count is displayed.

08-6573: Toner cartridge Y

08-6574: Toner cartridge M

08-6575: Toner cartridge C

08-6576: Toner cartridge K

Toner cartridge reference count started date

The toner cartridge reference count started date is displayed.

08-6519: Toner cartridge Y

08-6520: Toner cartridge M

08-6521: Toner cartridge C

08-6522: Toner cartridge K

Service technician reference cleared date

The service technician reference cleared date (08-6510) is displayed.

The date (08-6502 was performed) is stored.

Toner cartridge reference cleared date

The toner cartridge reference cleared date is displayed.

The date (08-6503 was performed) is stored.

08-6511: Toner cartridge Y

08-6512: Toner cartridge M

08-6513: Toner cartridge C

08-6514: Toner cartridge K

5.15 Default setting / restore setting of the EFI Printer Board

The codes whose value can be changed by performing “Default setting of the EFI Printer Board (08-9951)” or “Restore setting of the EFI Printer Board (08-9952)” are listed below.

Setting mode (08)

Code	Item	Default value when 08-9951 is performed	Default value when 08-9952 is performed
08-3754	Switching DPWS printer setting	2	1
08-3755	Switching DPWS Scanner setting	2	1
08-3767	Switching IPv6 setting	2	2
08-4131	Feeding retry setting	1	0
08-4621	Bypass feed paper size detection setting	1	0
08-4675	Paper ejection setting for wrong bypass paper size	0	2
08-8735	Sending setting of ScanToURL	0	0
08-8800	Enabling / Disabling of 802.1X	2	2
08-8802	Enabling / Disabling of IPsec	2	2
08-8804	Enabling / Disabling of IP filtering	2	2
08-8805	Enabling / Disabling of MAC address filtering	2	2
08-8904	Enabling / Disabling of job jump instruction setting	0	0
08-8915	Enabling / Disabling of automatic output of jobs at login	0	0
08-8967	Rotation printing by guides width of bypass feed tray	0	1
08-9236	Default setting of print screen	2	1
08-9406	Address Mode	1	2
08-9408	IP address	10.250.250.249	0.0.0.0
08-9409	Subnet mask	255.255.255.252	0.0.0.0
08-9410	Gateway	10.250.250.250	0.0.0.0
08-9411	Availability of IPX	2	2
08-9414	Availability of AppleTalk	2	2
08-9473	Availability of Raw/TCP	2	1
08-9475	Availability of LPD client	2	1
08-9478	Availability of IPP	2	1
08-9489	Availability of FTP print	2	1
08-9505	Bonjour setting	2	1
08-9599	Samba server ON/OFF setting	2	1
08-9709	Default data saving directory of “Scan to File”	0	0

5.16 Batch Setting for Self-Diagnostic Codes

5.16.1 General description

The setting files encrypted in which each setting value has been written can be stored in a USB storage device. Installing this USB storage device in the equipment and reading a setting file enables the batch setting for the self-diagnostic codes.

- After the batch setting is performed, a result file is stored in the USB storage device.
- A maximum of 100 codes can be set in one file. If a code has sub codes, each of them is counted as one code.

Notes:

This function is not available if an automatic execution script such as a log collection is stored in a USB storage device.

5.16.2 Applicable codes

This function is available for the codes, whose values can be set by the service technicians, in the 05, 08 and 13 modes.

Notes:

- The codes only displaying the values and the ones acquiring or clearing the values by automatic execution are not included.
- When a value of the code which exchanges another one sequentially is changed, another one is altered in conjunction with it.
- Setting of the codes 08-8911 and 08-9000 is not possible.

5.16.3 Setting files

[1] Setting files

An encrypted file in which the setting values for each code to be changed is written in an XML format. A maximum of 100 codes can be set in one file. If a code has sub codes, each of them is counted as one code.

File name: DIG_SET.diag

File format: xml format

Notes:

- A setting file has to be encrypted by a dedicated encryption tool to be stored in a USB storage device.
- A setting file has to be located in the root folder of a USB storage device.
- No other automatic execution script has to be located in the root folder of a USB storage device.

[2] Example

```
<Policy>
  <Data>
    <Category-05/>
    <Category-08>
      <Code>
        <MainCode>3807</MainCode>
        <Value>1</Value>
      </Code>
      <Code>
        <MainCode>9240</MainCode>
        <Value>2</Value>
      </Code>
      <Code>
        <MainCode>9264</MainCode>
        <SubCode>1</SubCode>
```

```

        <Value>1</Value>
    </Code>
</Category-08>
<Category-13/>
</Data>
</Policy>

```

Notes:

- The setting value of the code in step 10 is written by inserting a comma to divide the values.
E.g.: 08-4106 <Value>128,128</Value>
- Setting is carried out in order of written.
- The read-only codes and the execution codes are skipped to continue the processing if they are included.
- If writing of the setting value has failed, the processing will stop at that moment and then an error message will appear in the screen.

5.16.4 Result files

[1] Result files

A file in which success or failure of the replacement of the setting values for each code included in the setting files is written. A result file is stored in a USB storage device after this code is performed.

File name: DIG_RESULT_XXXX_yymmddhhmmss.xml (XXXX: Serial No.)

File format: xml format

[2] Example

```

<Policy>
  <Data>
    <Category-05/>
    <Category-08>
      <Code>
        <MainCode>3807</MainCode>
        <RESULT>SUCCESS</RESULT>
      </Code>
      <Code>
        <MainCode>9240</MainCode>
        <RESULT>FAILED</RESULT>
      </Code>
      <Code>
        <MainCode>9264</MainCode>
        <SubCode>1</SubCode>
        <RESULT>UNSPECIFIED</RESULT>
      </Code>
    </Category-08>
    <Category-13/>
  </Data>
</Policy>

```

- * SUCCESS Values are updated successfully.
- * FAILED Update of values fails.
- * UNSPECIFIED No codes written exist.
A value to be set is outside the assignable range.

Notes:

- A result file is stored in the root folder of a USB storage device.
- As for the codes whose values have been altered caused by batch setting of another one, their items, such as the code number, value changed and success/failure of the change, are not described in a result file.
- If writing of the setting value has failed, the processing will stop at that moment. Only the codes whose writing has succeeded will be described in a result file.

5.16.5 Operation procedure

1. Start up with the Setting Mode (08).
2. Install a USB storage device, in which setting files are stored in the root, in the MFP.
3. Key in [3673] and then press the [START] button.
4. Press [EXECUTION].
5. Setting for all codes included in the setting file are completed, the BASIC screen of the 08 mode appears.
6. Remove the USB storage device.

6. SETTING ADJUSTMENT

6.1 Image Related Adjustment

6.1.1 Adjustment Order

This chapter mainly explains the procedures for image related adjustment. When replacing components which have other specified instructions for adjustment, those specified instructions are to be obeyed in priority.

In the following diagram, the solid lines with arrow lead to essential adjustments, while the dotted lines lead to adjustments to be performed if necessary.

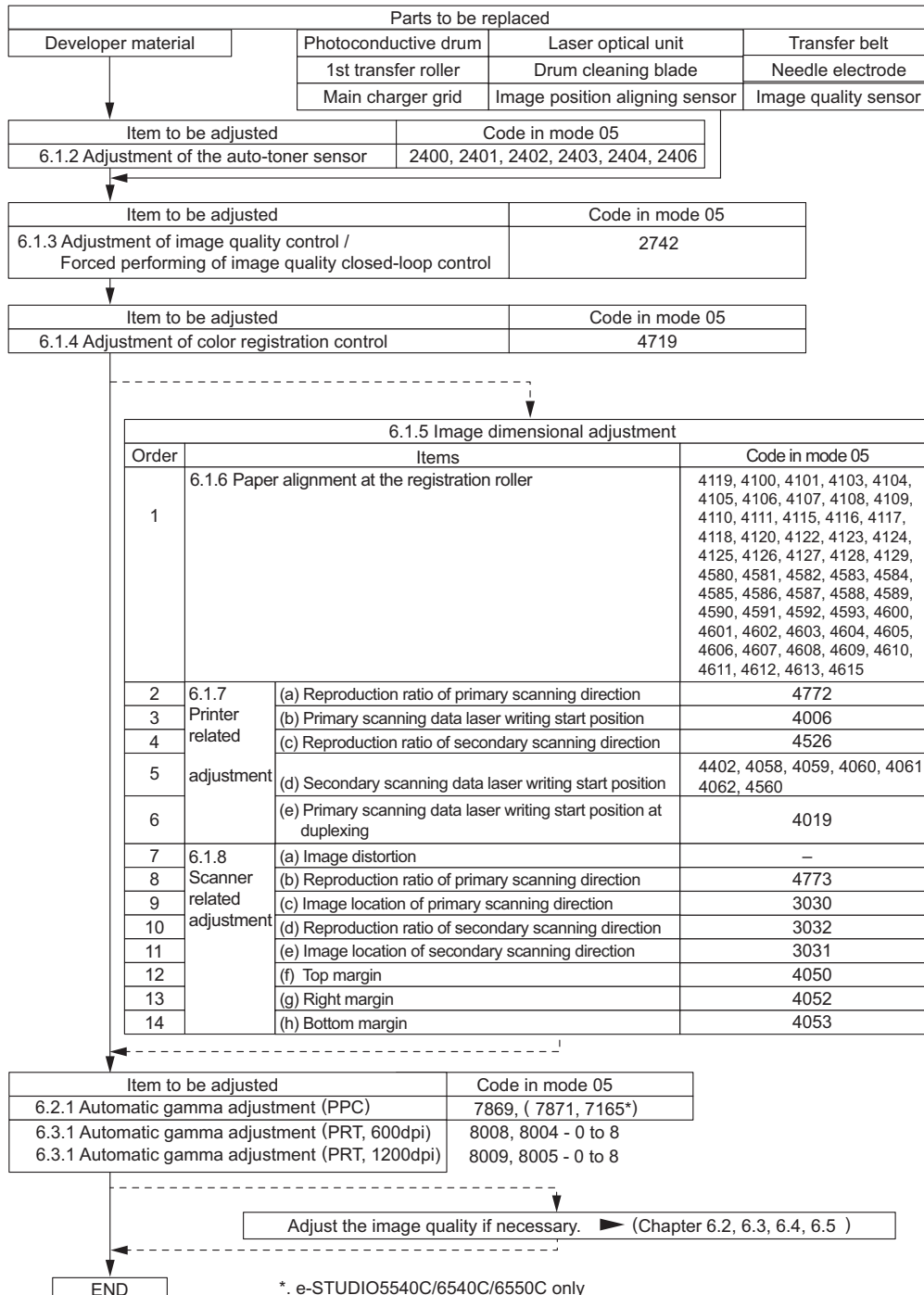


Fig.6-1

6.1.2 Adjustment of the Auto-Toner Sensor

When replacing the developer material, adjust the auto-toner sensor with the following procedure.

- (1) Take off the drum cleaner unit.
- (2) Take off the developer unit.
- (3) Discharge the developer material.
- (4) Install the drum cleaner unit and developer unit in the EPU tray.
- (5) Take off the sub-hopper unit and install the developer cartridge.

Notes:

Adjustment cannot be done if the sub-hopper unit is installed.

- (6) While pressing [0] and [5] simultaneously, turn the power ON. The following message will be displayed.

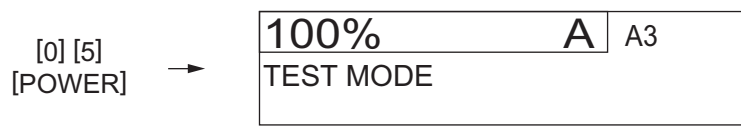


Fig.6-2

- (7) Key in a code and press the [START] button.

Code 2400: All developer materials	2401: Developer material (Y)	2402: Developer material (M)
2403: Developer material (C)	2404: Developer material (K)	2406: Developer materials (Y, M, C)

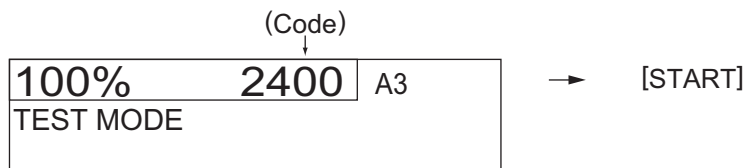


Fig.6-3

- (8) The message “Has developer in the developer unit run out?” appears on the display. If there is no problem, press the [YES] button on the display.
- (9) The message “Have the [**] developer cartridges been installed?” appears on the display. If there is no problem, press the [YES] button on the display. Tip: “**” varies as follows depending on the code you have entered.

Code 2400: 4 colors (Y, M, C, K)	2401: Yellow	2402: Magenta
2403: Cyan	2404: Black	2406: 3 colors (Y, M, C)

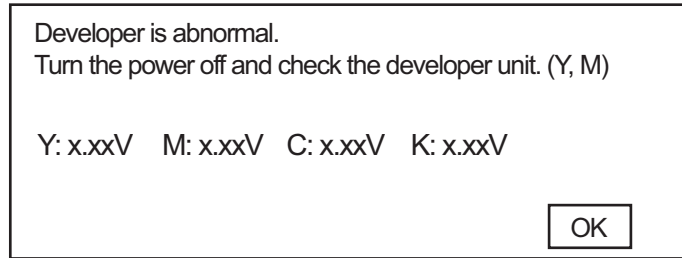
Notes:

Be sure that the developer material in the developer unit is completely empty before you press [YES]. If you press [YES] while developer material still remains, it will overflow and thus may lock the developer unit.

- (10) The message “Supplying developer.” appears on the display and developer material is filled in the developer unit for approx. 90 sec.

Remarks:

For example, if the filling of the Y and M color developer materials fails, the following screen is displayed. Press the [OK] button, turn the power OFF and check the developer unit.

**Fig.6-4**

- (11) After 2 min. have passed, the following screen is displayed and the auto-toner adjustment starts. During the adjustment, “Current sensor voltage (V)” shown in B automatically changes and gradually approaches the “Target value (V) for the adjustment reference voltage” shown in A.

(B) →	Y: x.xxV	M: x.xxV	C: x.xxV	K: x.xxV	
(C) →	Y:*****	M:*****	C:*****	K:*****	ww%
(A) →	Y: z.zzV	M: z.zzV	C: z.zzV	K: z.zzV	

(B): Current sensor voltage (V)

(C): Adjustment value, Humidity (%)

(A): Target value (V) for adjustment reference voltage

Fig.6-5

- (12) When the “Current sensor voltage (V)” in (B) is converged and the “Sensor output control value (bit value)” corresponding to the value for initial developer material is displayed in (C), the adjustment is completed.

When the adjustment is completed, the [OK] button is displayed on the screen.

(B) →	Y: x.xxV	M: x.xxV	C: x.xxV	K: x.xxV	
(C) →	Y: yyy	M: yyy	C: yyy	K: yyy	
(A) →	Y: z.zzV	M: z.zzV	C: z.zzV	K: z.zzV	

(B): Current sensor voltage (V)

(C): Sensor output control value (bit value)

(A): Target value (V) for adjustment reference voltage

Fig.6-6**Notes:**

The values in (A), (B) and (C) vary with humidity.

- (13) Press the [OK] button to store the adjustment result in the memory.

Notes:

If you enter any of the codes 2400, 2401, 2402, 2403, 2404 or 2406 after pressing the [CANCEL] button without pressing the [OK] button, or after auto-toner adjustment has failed, the operation in step (11) starts without that in step (8) to (10).

- (14) Turn the power OFF.

- (15) Take out the developer cartridge.

- (16) Install the sub-hopper unit to the equipment.


6.1.3 Performing Image Quality Control



- (1) When unpacking
Prior to image dimensional adjustment, perform the “Forced performing of image quality closed-loop control (05-2742)” procedure.




- (2) When any of the following parts is replaced, be sure to perform the “Forced performing of image quality closed-loop control (05-2742)” procedure.
 - Photoconductive drum
 - Transfer belt
 - Needle electrode
 - Image quality sensor
 - Developer material
 - 1st transfer roller
 - Main charger grid
 - Laser optical unit
 - Drum cleaning blade
 - Image position aligning sensor

Notes:

When performing "Automatic gamma adjustment" in addition, "Forced performing of image quality closed-loop control (05-2742)" should be done.

An adjustment error may occur when you perform "Forced performing of image quality closed-loop control (05-2742)". See "[4] Forced performing of image quality closed-loop control (05-2742) / check the controlling status" in  P. 8-288"8.4.1 Drum surface potential sensor control related troubleshooting" to clear the error.

Code	Item to be adjusted	Contents
2742	Forced performing of image quality closed-loop control	<p><Procedure></p> <p>(A) While pressing [0] and [5] simultaneously, turn the power ON. → Adjustment Mode</p> <p>(B) Key in [2742] and press the [START] button.</p> <p>(C) "WAIT" is displayed.</p> <p>(D) When the adjustment finishes normally, the equipment will return to initial state of the Adjustment Mode.</p> <p>When an error occurs</p> <p><When "Waste toner box replacement" is displayed></p> <ol style="list-style-type: none"> 1. Replace the waste toner box with a new one and close the waste toner box cover. 2. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 3. Turn the power ON. 4. Release the waste toner box full status by the warming-up operation. 5. Check that "Ready" is displayed. 6. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 7. Perform steps (A) to (D) in <Procedure>. <p><When "ERROR" is displayed>></p> <p>(1)"ERROR" which occurs when toner is supplied</p> <p>- e-STUDIO5540C/6540C6550C:  P. 3-54"[C] No toner in the cartridge"</p> <ol style="list-style-type: none"> 1. Press the [CANCEL] button to return to the original state in the adjustment mode in order to check the toner low status. 2. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 3. Turn the power ON. 4. Check that the toner is being added properly in the warming-up status. When a message prompts you to replace the toner cartridge, open the front cover and replace the cartridge with a new one so that toner-empty status will be released. 5. Check that "Ready" is displayed. 6. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 7. Perform steps (A) to (D) in <Procedure>. <p>- e-STUDIO5560C/6560C6570C:  P. 3-54"[C] No toner in the cartridge"</p> <ol style="list-style-type: none"> 1. Press the [CANCEL] button to return to the original state in the adjustment mode in order to check the toner low status. 2. Replace the empty toner cartridge with a new one and close the front cover. 3. Key in [4833] and press the [START] button. 4. "WAIT" is displayed. 5. When the adjustment finishes normally, the equipment will return to initial state of the Adjustment Mode.

Code	Item to be adjusted	Contents
2742	Forced performing of image quality closed-loop control	<p>(3)“ERROR” which occurs in the surface potential sensor control</p> <ol style="list-style-type: none"> 1. Specify the colors (Y,M,C,K) corresponding to 1 or 2 from the numbers displayed in “ERROR”. 2. Press the [CANCEL] button to return to the initial state of the Adjustment mode. 3. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 4. Clear the error following the procedure on  P. 8-288"8.4.1 Drum surface potential sensor control related troubleshooting" or  P. 8-292"8.4.3 Drum surface potential sensor control related troubleshooting when setting up the equipment at unpacking (e-STUDIO6550C/6570C only)". 5. Perform steps (A) to (D) in <Procedure>. <p><Other abnormalities> Take the appropriate action described in Troubleshooting.  P. 8-1"8. ERROR CODE and TROUBLESHOOTING"</p>

6.1.4 Adjustment of Color Registration Control

After having finished the "Automatic initialization of image quality control (05-2742)" procedure, perform the "Forced performing of color registration control adjustment (05-4719)" procedure.

Code	Item to be adjusted	Contents
4719	Forced performing of color registration control	<p><Procedure> (A) While pressing [0] and [5] simultaneously, turn the power ON. → Adjustment Mode (B) Key in [4719] and press the [START] button. (C) "WAIT" is displayed. (D) When the adjustment finishes normally, the equipment will return to initial state of the Adjustment Mode.</p> <p>When an error occurs <When "Waste toner box replacement" is displayed> ⓘ P. 3-56"[E] Waste toner box replacement" 1. Replace the waste toner box with a new one and close the waste toner box cover. 2. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 3. Turn the power ON. 4. Release the waste toner box full status by the warming-up operation. 5. Check that "Ready" is displayed. 6. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 7. Perform steps (A) to (D) in <Procedure>.</p> <p><When "ERROR" is displayed>> (1)"ERROR" which occurs when toner is supplied ⓘ P. 3-54"[C] No toner in the cartridge" 1. Press the [CANCEL] button to return to the original state in the adjustment mode in order to check the toner low status. 2. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 3. Turn the power ON. 4. Check the toner adding status in the warming-up operation. When a message prompts you to replace the toner cartridge, open the front cover and replace the cartridge with a new one. ("Adding Toner" is displayed.) 5. Check that "Ready" is displayed. 6. Press and hold the [ON/OFF] button for a few seconds to shut down the equipment. 7. Perform steps (A) to (D) in <Procedure>.</p> <p><Other abnormalities> Take the appropriate action described in Troubleshooting. ⓘ P. 8-1"8. ERROR CODE and TROUBLESHOOTING"</p>

6.1.5 Image Dimensional Adjustment (General description)

There are several adjustment items in the image dimensional adjustment, as listed below.

Prior to this image dimensional adjustment, perform “Forced performing of image quality closed-loop control (05-2742)” and “Forced performing of color registration control (05-4719)”.

When adjusting these items, the following adjustment order should strictly be observed.

Item to be adjusted		Code in mode 05
1. Paper alignment an the registration roller		4119, 4100, 4101, 4103, 4104, 4105, 4106, 4107, 4108, 4109, 4110, 4111, 4115, 4116, 4117, 4118, 4120, 4122, 4123, 4124, 4125, 4126, 4127, 4128, 4129, 4580, 4581, 4582, 4583, 4584, 4585, 4586, 4587, 4588, 4589, 4590, 4591, 4592, 4593, 4600, 4601, 4602, 4603, 4604, 4605, 4606, 4607, 4608, 4609, 4610, 4611, 4612, 4613, 4615
2. Printer-related image dimensional adjustment	Reproduction ratio of primary scanning direction (Image clock fine adjustment (Printer))	4772
	Primary scanning data laser writing start position	4006
	Reproduction ratio of secondary scanning direction (Fine adjustment of transfer belt motor rotation speed)	4526
	Secondary scanning data laser writing start position	4402, 4058, 4059, 4060, 4560, 4061, 4062
	Primary scanning data laser writing start position at duplexing	4019
3. Scanner-related image dimensional adjustment	Image distortion	-
	Reproduction ratio of primary scanning direction	4773
	Image location of primary scanning direction	3030
	Reproduction ratio of secondary scanning direction	3032
	Image location of secondary scanning direction	3031
	Top margin	4050
	Right margin	4052
	Bottom margin	4053

[Procedure to key in adjustment values]

In accordance with the procedure described below, make adjustment of each adjustment item so that the measured values obtained from test copies satisfy the specification. By pressing the [FAX] button, immediately after starting the Adjustment Mode (05), single-sided test copying can be performed (normal copy mode).

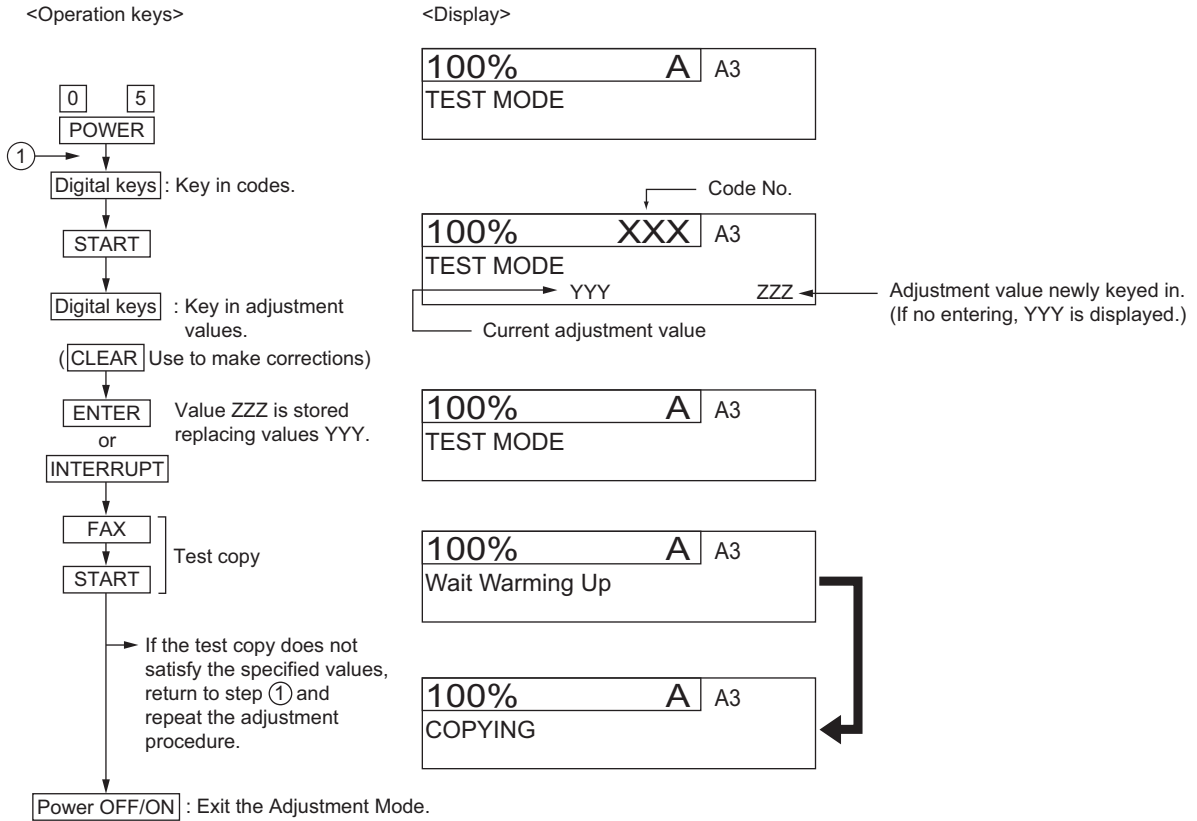


Fig.6-7

6.1.6 Paper alignment at the registration roller

[A] Adjustment with touch panel

Paper alignment at the registration roller can be adjusted in the following procedure by performing the code 05-4579.

- (1) Select the drawer.

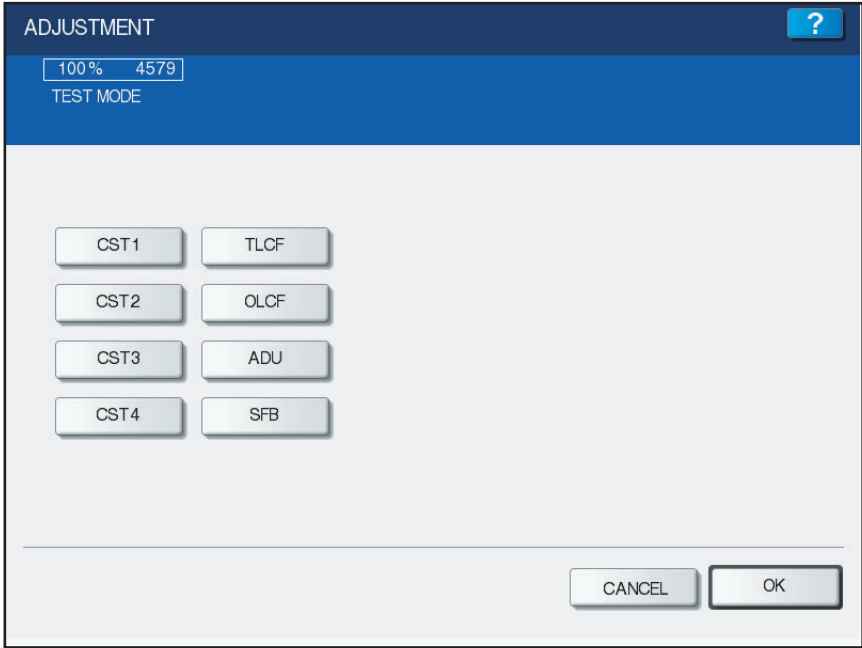


Fig.6-8

- (2) Select the paper size.

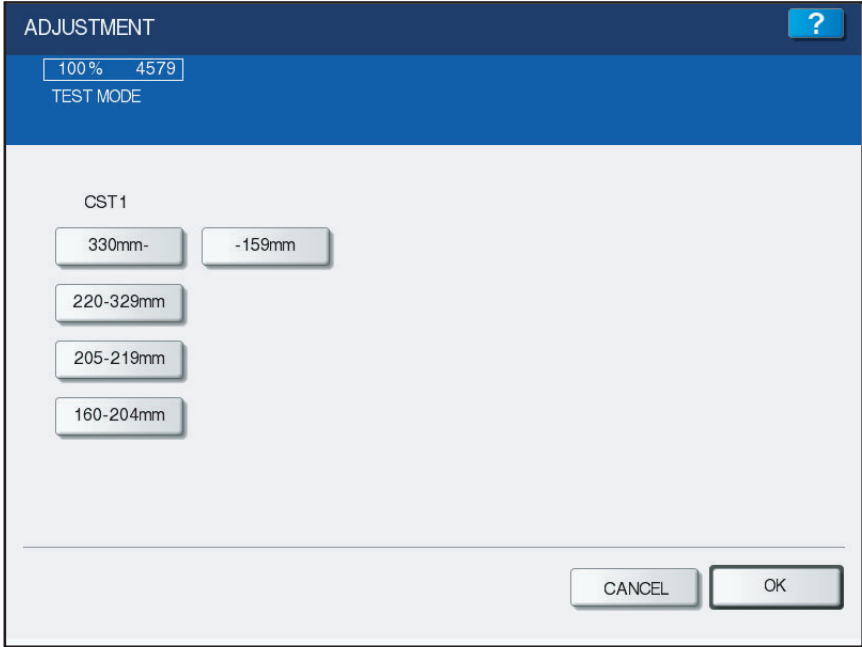


Fig.6-9

(3) Select the media type.

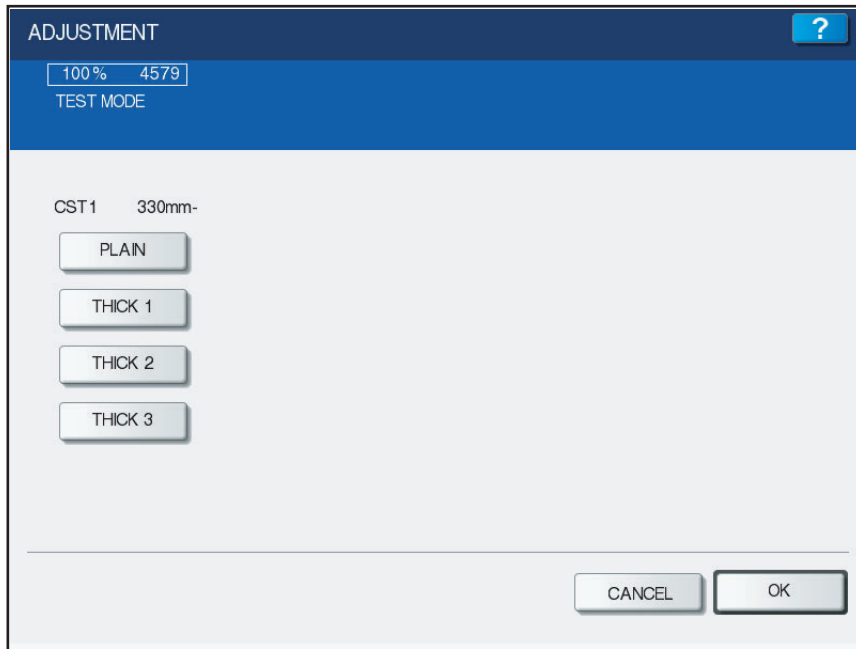


Fig.6-10

(4) Select the copy speed.
("B&W(75ppm)" for the black copying in e-STUDIO6550C, e-STUDIO6570C or "OTHER" for others)

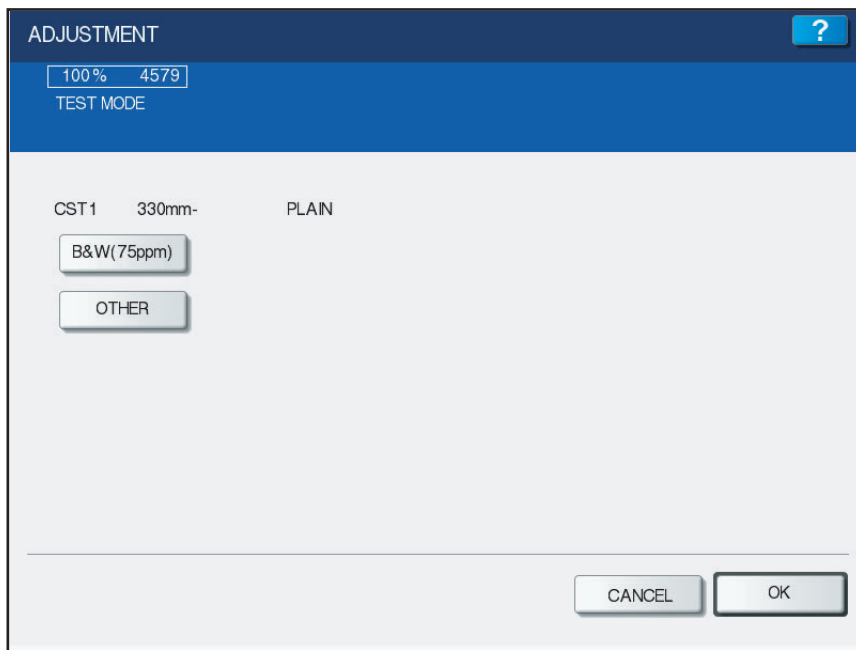


Fig.6-11

(5) Key in the adjustment value.

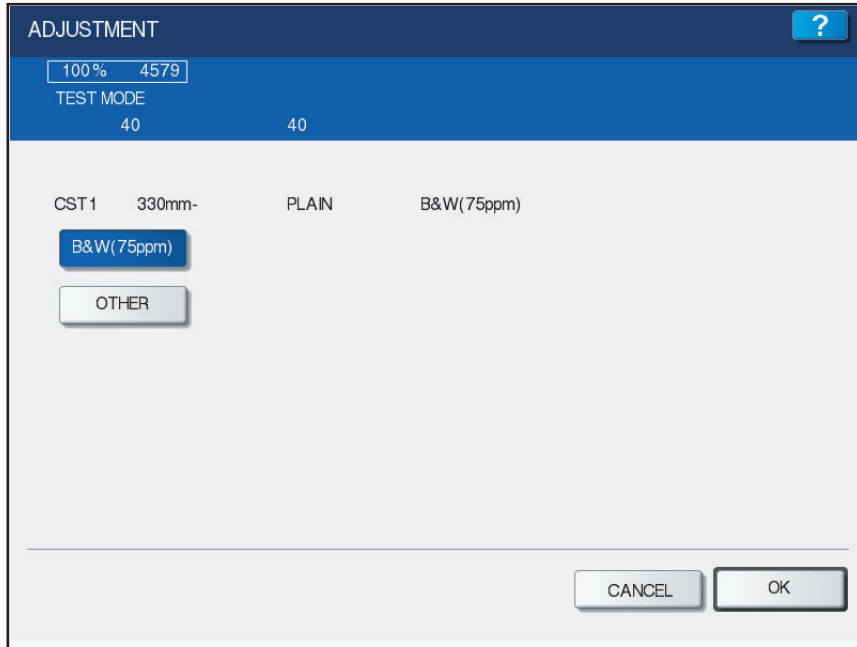


Fig.6-12

- (6) Press the [OK] button to finish the adjustment.
* Press the [FUNCTION CLEAR] button to return to the previous menu.

[B] Adjustment by direct code entry

The aligning amount is adjusted by using the following codes in Adjustment Mode (05).

Drawer	Code	Sub code	Paper size (Select the paper size with the sub code.)	Paper type*1
1st drawer (CST1)	4100	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220–329 mm (8.7–12.9 inches) 2: 205–219 mm (8.1–8.6 inches) 3: 160–204 mm (6.3–8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4115	0, 1, 2, 3, 4		Thick paper 1
	4122	0, 1, 2, 3, 4		Plain paper (High speed/black)
	4582	0, 1, 2, 3, 4		Thick paper 2
	4588	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4605	0, 1, 2, 3, 4		Thick paper 3 (Color)
2nd drawer (CST2)	4101	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220–329 mm (8.7–12.9 inches) 2: 205–219 mm (8.1–8.6 inches) 3: 160–204 mm (6.3–8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4116	0, 1, 2, 3, 4		Thick paper 1
	4123	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4583	0, 1, 2, 3, 4		Thick paper 2
	4589	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4606	0, 1, 2, 3, 4		Thick paper 3 (Color)
3rd drawer (CST3)	4108	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220–329 mm (8.7–12.9 inches) 2: 205–219 mm (8.1–8.6 inches) 3: 160–204 mm (6.3–8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4117	0, 1, 2, 3, 4		Thick paper 1
	4124	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4584	0, 1, 2, 3, 4		Thick paper 2
	4590	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4607	0, 1, 2, 3, 4		Thick paper 3 (Color)
4th drawer (CST4)	4109	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220–329 mm (8.7–12.9 inches) 2: 205–219 mm (8.1–8.6 inches) 3: 160–204 mm (6.3–8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4118	0, 1, 2, 3, 4		Thick paper 1
	4125	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4585	0, 1, 2, 3, 4		Thick paper 2
	4591	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4608	0, 1, 2, 3, 4		Thick paper 3 (Color)
Bypass feed	4103	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220–329 mm (8.7–12.9 inches) 2: 205–219 mm (8.1–8.6 inches) 3: 160–204 mm (6.3–8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4104	0, 1, 2, 3, 4		Thick paper 1
	4105	0, 1, 2, 3, 4		Thick paper 2
	4106	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4107	0, 1, 2, 3, 4		OHP
	4127	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4128	0, 1, 2, 3, 4		Special paper 1
	4129	0, 1, 2, 3, 4		Special paper 2
	4601	0, 1, 2, 3, 4		Thick paper 4 (Black)
	4612	0, 1, 2, 3, 4		Thick paper 3 (Color)
	4613	0, 1, 2, 3, 4		Thick paper 4 (Color)
	Tandem LCF	4119		0
1			-	Thick paper 2
2			-	Thick paper 3 (Black)
3			-	Thick paper 3 (Color)
4111		-	-	Plain paper
4126		-	-	Plain paper (High speed/black)*2

Drawer	Code	Sub code	Paper size (Select the paper size with the sub code.)	Paper type*1
Option LCF	4580	0, 1, 2, 3, 4	0: 330 mm or longer (13.0 inches or longer) 1: 220-329 mm (8.7-12.9 inches) 2: 205-219 mm (8.1-8.6 inches) 3: 160-204 mm (6.3-8.0 inches) 4: 159 mm or shorter (6.26 inches or shorter)	Plain paper
	4581	0, 1, 2, 3, 4		Thick paper 1
	4586	0, 1, 2, 3, 4		Thick paper 2
	4592	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4600	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4609	0, 1, 2, 3, 4		Thick paper 3 (Color)
ADU	4110	0, 1, 2, 3, 4		Plain paper
	4120	0, 1, 2, 3, 4		Thick paper 1
	4587	0, 1, 2, 3, 4		Plain paper (High speed/black)*2
	4593	0, 1, 2, 3, 4		Thick paper 3 (Black)
	4602	0, 1, 2, 3, 4		Thick paper 4 (Black)
	4603	0, 1, 2, 3, 4		Special paper 1
	4604	0, 1, 2, 3, 4		Special paper 2
	4610	0, 1, 2, 3, 4		Thick paper 3 (Color)
	4611	0, 1, 2, 3, 4		Thick paper 4 (Color)
	4615	0, 1, 2, 3, 4		Thick paper 2

*1: Weight:

Plain paper: 64 to 105 g/m² (17 lb. Bond to 28 lb. Bond)

Thick paper 1: 106 to 163 g/m² (28 lb. Bond to 60 lb. Cover (90 lb. Index))

Thick paper 2: 164 to 209 g/m² (61 lb. Cover to 77.3 lb. Cover (115.7 lb. Index))

Thick paper 3: 210 to 256 g/m² (77.3 lb. Cover to 94.5 lb. Cover (141.4 lb. Index))

Thick paper 4: 257 to 300 g/m² (94.5 lb. Cover to 110 lb. Cover (150 lb. Index))

*2: e-STUDIO6550C, e-STUDIO6570C: Black only

<Procedure>

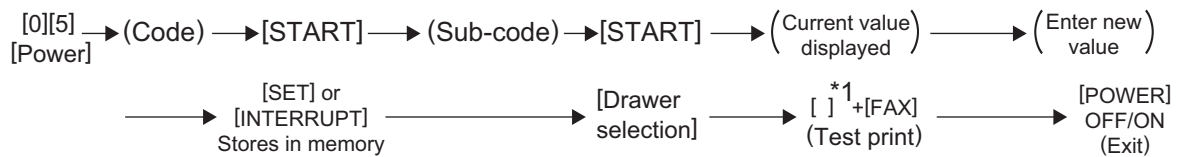


Fig.6-13

- (*1)
- 1: Single-sided grid pattern in Black Mode
 - 3: Double-sided grid pattern in Black Mode
 - 55: Grid pattern of thick paper 2 in Full Color Mode
 - 56: Grid pattern of thick paper 3/thick paper 4 in Full Color Mode
 - 57: Grid pattern of OHP film in Full Color Mode
 - 58: Single-sided grid pattern of thick paper 2 in Black Mode
 - 59: Single-sided grid pattern of thick paper 3 / thick paper 4 in Black Mode
 - 60: Single-sided grid pattern of OHP film in Black Mode
 - 98: Single-sided grid pattern in K(4) Mode

K(4): System in which the test pattern is printed only in the black mode, though the four color developers (Y, M, C, K) are contacted to the transfer belt.

Notes:

If the aligning amount is too large, abnormal noise (paper-folding noise) or actual paper folding may occur during paper feeding. If the aligning amount is too small, on the other hand, a skew, an image dislocation in feeding direction or a paper exit jam (E010) may occur. Pay attention to the above and select the appropriate value.

6.1.7 Printer-related image dimensional adjustment

The printer related adjustment is performed by using the printed out grid pattern.

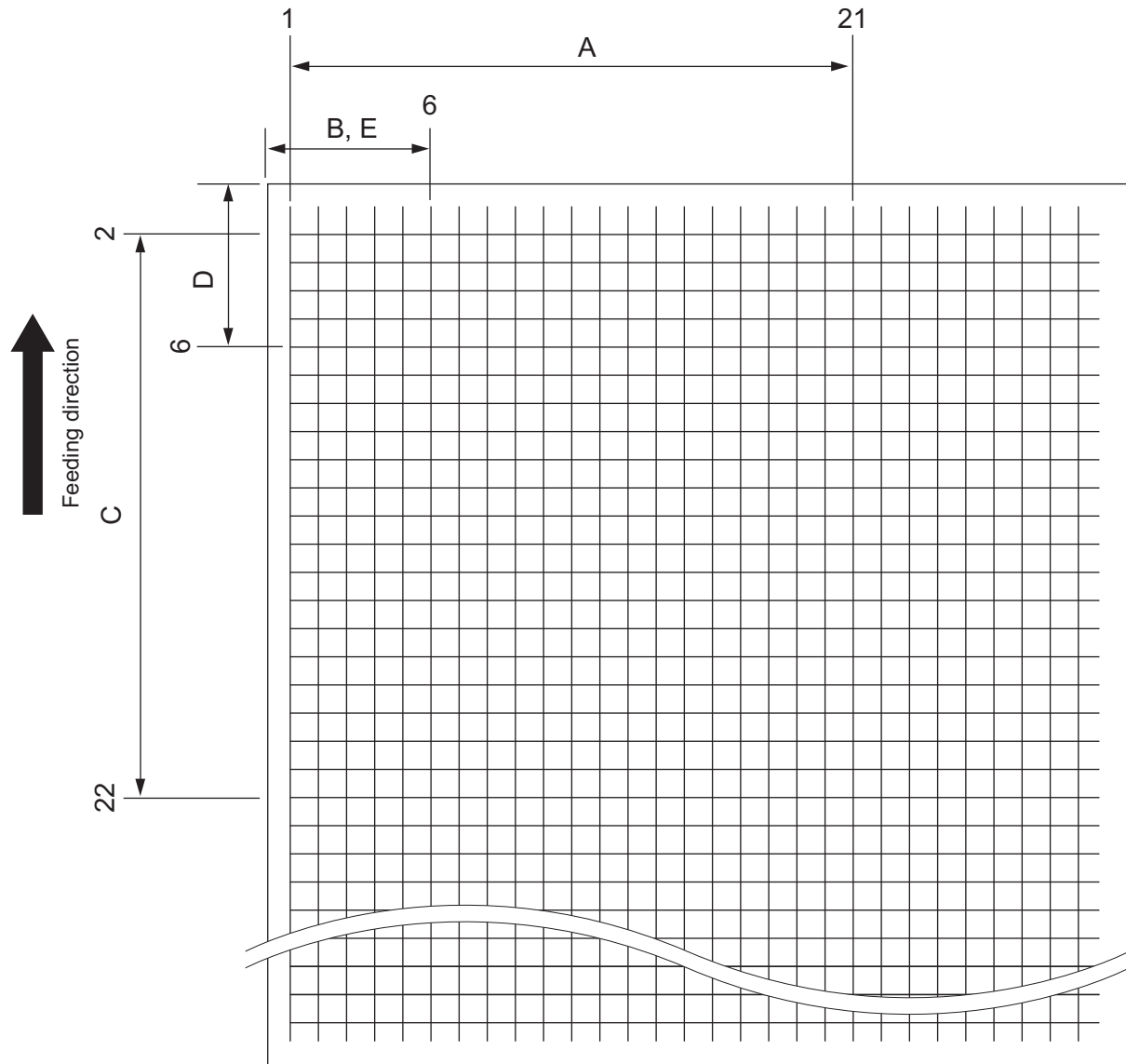


Fig.6-14

	Adjustment Tolerance	Detail of adjustment
A	$200 \pm 0.5\text{mm}$	Refer to "[A] Reproduction ratio of primary scanning direction (Image clock fine adjustment (Printer))"
B	$52 \pm 0.5\text{mm}$	Refer to "[B] Image position of primary scanning direction (Laser writing start position (Printer))"
C	$200 \pm 0.5\text{mm}$	Refer to "[C] Reproduction ratio of secondary scanning direction (Fine adjustment of transfer belt motor rotation speed (Printer))"
D	$52 \pm 0.5\text{mm}$	Refer to "[D] Image position of secondary scanning direction (Laser writing start position)"
E	$52 \pm 0.5\text{mm}$	Refer to "[E] Primary scanning data laser writing start position at duplexing"

[A] Reproduction ratio of primary scanning direction (Image clock fine adjustment (Printer))

1. While pressing [0] and [5] simultaneously, turn the power ON.→ (Adjustment Mode)
2. Press [98] → [FAX]. (A grid pattern with 10 mm squares is printed out. Use A3/LD from the 2nd drawer.)
3. Measure the distance A from the 1st line to the 21st line of the grid pattern.
4. Check if the distance A is within 200 ± 0.5 mm.
5. If not, use the following procedure to change values and measure the distance A again.

<Procedure>

(Adjustment Mode) → (Key in the code [4772]) → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

→ "100% A" is displayed.

→ Press [98] → [FAX] → (A grid pattern is printed out.)

* The larger the adjustment value is, the longer the distance A becomes (approx. 0.1 mm/step).

[B] Primary scanning data laser writing start position (Laser writing start position (Printer))

Performing the code 05-4006 covers this adjustment for all paper sources.

The adjustment for each paper source is also available. Be sure to perform the code 05-4006 (for all paper sources) before doing 05-4018 or 05-4019 (for each paper source).

For all paper sources

Code	Paper size	Acceptable value	Remarks	Reference value
4006	A3/LD (Recommended)	0 to 255	Performs the adjustment for all paper sources.	70 to 128

For each paper source**<4-drawer model>**

Order for adjustment	Paper source	Code	Paper size	Acceptable value	Remarks
1	1st drawer	4018-0	A4/LT	0 to 255	
2	2nd drawer	4018-1	A3/LD	0 to 255	
3	3rd drawer	4018-2	A4/LT	0 to 255	
4	4th drawer	4018-3	A4/LT	0 to 255	
5	Bypass feed	4018-5	A4/LT	0 to 255	
6	Duplex feeding	4019-*	A3/LD (A4/LT)	0 to 255	P. 6-21"[E] Primary scanning data laser writing start position at duplexing"
7	Option LCF	4018-6	A4/LT	0 to 255	Only when the optional LCF is installed

<Tandem LCF model>

Order for adjustment	Paper source	Code	Paper size	Acceptable value	Remarks
1	1st drawer	4018-0	A4/LT	0 to 255	
2	2nd drawer	4018-1	A3/LD	0 to 255	
3	Tandem LCF	4018-4	A4/LT	0 to 255	
4	Bypass feed	4018-5	A4/LT	0 to 255	
5	Duplex feeding	4019-*	A3/LD (A4/LT)	0 to 255	P. 6-21"[E] Primary scanning data laser writing start position at duplexing"
6	Option LCF	4018-6	A4/LT	0 to 255	Only when the optional LCF is installed

1. Perform "Adjustment of drawer sideways deviation (05-4018)" and set "128" for the sub code "1".
2. Perform "Primary scanning data laser writing start position (05-4006)".
3. Key in "98" and then press the [FAX] button.
4. Measure the distance B from the left edge of the paper to the 6th line of the grid pattern.
5. If the distance B is not within 52 ± 0.5 mm, use the following procedure to change values and measure it again.
6. Perform adjustment for each paper source following the procedure below.

Notes:

Do not change the value "128" for the 05-4018 sub code "1".

<Procedure>

(Adjustment Mode) → (Key in the code shown above) → [START]

→ (Key in an acceptable value shown above)

→ [OK] or [INTERRUPT] (Stored in memory) → "100% A" is displayed →

→ Press [98] ([3] for duplexing) → [FAX] → (A grid pattern is printed out.)

* The larger the adjustment value is, the longer the distance B becomes (approx. 0.04 mm/step).

Notes:

Make sure the first line of the grid pattern is printed out since the line is occasionally vanished.

[C] Reproduction ratio of secondary scanning direction (Fine adjustment of transfer belt motor rotation speed)

Code	Sub code	Item to be adjusted	Remarks
4526	0	Normal speed (Color)	When the value increases, the reproduction ratio in the secondary scanning direction becomes larger. (Approx. 0.1 mm/1step)
	1	Decelerator by 1/2	
	2	Decelerator by 1/3	
	3	High speed	

When the sub code "0" is performed in the code "05-4526", the proper value is automatically calculated for the size of an image from the sub code 1 to 3. Due to this, the speed of the transfer belt motor is also adjusted. Therefore, use the above default value other than the sub code "0", unless otherwise required.

[C-1] Confirmation of 05-4526-0

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Press [98] → [FAX]. (A grid pattern with 10 mm squares is printed out. Use A3/LD from the 2nd drawer.)
3. Measure the distance C from the 2nd line at the leading edge of the paper to the 22nd line of the grid pattern.
* Normally, the 1st line of the grid pattern is not printed.
4. Check if the distance C is within 200±0.5 mm.
5. If not, perform the procedure in "[C-2] Adjustment of 05-4526-0" to change the values and measure the distance C again.
6. Perform the color registration (4719) after the adjustment.

[C-2] Adjustment of 05-4526-0

- (Adjustment Mode) → (Key in the code [4526]) → [START] → (Key in the sub-code [0])
 → [START] → (Key in a value (acceptable values: 0 to 255))
 → [OK] or [INTERRUPT] (Stored in memory)
 * When the value is not within the recommended values, the trailing edge area of the image may be out of position for the paper length or the density at the trailing edge area of the image may become lighter. Perform the adjustment confirming the image.
 → "100% A" is displayed
 → Press [98] → [FAX] → (A grid pattern is printed out.)
 * The larger the adjustment value is, the longer the distance C becomes (approx. 0.1 mm/step).
 → (Key in the code [4719]) → [START] → (Enforced color registration)

Notes:

The grid pattern outputted by pressing [0][5] → [98] → [FAX] is the one of PRT (05-4526-0). Even though the sub codes "1" to "11" are adjusted, the result cannot be confirmed in the grid pattern outputted by pressing [0][5] → [98] → [FAX].

Remarks:

For long paper (length: 484 to 1,200 mm) and A3/LD, it is recommended to adjust the distance C above within the range of 199.5 to 200 mm otherwise the margin of the trailing edge may be deleted.

[D] Image position of secondary scanning direction (Laser writing start position)

Performing the code 05-4402 covers this adjustment for all paper sources.

The adjustment for each paper source is also available.

For all paper sources

Code	Paper size	Acceptable value	Remarks
4402	A3/LD	0 to 200	Performs the adjustment for all paper sources.

For each paper source**<4-drawer model>**

Order for adjustment	Paper source	Code	Paper size	Acceptable value	Remarks
1	1st drawer	4058	A4/LT	0 to 100	
2	2nd drawer	4059	A3/LD	0 to 100	
3	3rd drawer	4060	A4/LT	0 to 100	
4	4th drawer	4560	A4/LT	0 to 100	
5	Bypass feed	4061	A4/LT	0 to 100	
6	Duplex feeding	4062	A3/LD	0 to 100	Paper fed from the 2nd drawer
7	Option LCF	4063	A4/LT	0 to 100	Only when the optional LCF is installed

<Tandem LCF model>

Order for adjustment	Paper source	Code	Paper size	Acceptable value	Remarks
1	1st drawer	4058	A4/LT	0 to 100	
2	2nd drawer	4059	A3/LD	0 to 100	
3	Tandem LCF	4561	A4/LT	0 to 100	
4	Bypass feed	4061	A4/LT	0 to 100	
5	Duplex feeding	4062	A3/LD	0 to 100	Paper fed from the 2nd drawer
6	Option LCF	4063	A4/LT	0 to 100	Only when the optional LCF is installed

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Press [98] ([3] for duplexing) → [FAX]. (A grid pattern with 10 mm squares is printed out.)
3. Measure the distance D from the leading edge of the paper to the 6th line of the grid pattern.
 - * Normally, the 1st line of the grid pattern is not printed.
 - * At the duplexing, measure it on the top side of the grid pattern.
4. Check if the distance D is within 52±0.5 mm.
5. If not, use the following procedure to change values and measure the distance D again.

<Procedure>

(Adjustment Mode) → (Key in the code shown above) → [START]

→ (Key in an acceptable value shown above)

→ [OK] or [INTERRUPT] (Stored in memory)

→ "100% A" is displayed

→ Press [98] ([3] for duplexing)

→ [FAX] → (A grid pattern is printed out.)

- * The larger the adjustment value is, the longer the distance D becomes (approx. 0.10 mm/step).

[E] Primary scanning data laser writing start position at duplexing

Notes:

Make sure the first line of the grid pattern is printed out since the line is occasionally vanished.

[E-1] Adjustment for long-sized paper (Length: 330 mm or more)

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Press [3] → [FAX]. (A grid pattern with 10 mm squares is printed out. Use A3/LD from the 2nd drawer.)
3. Check the grid pattern on the test print and measure the distance E from the left edge of the paper to the 6th line of the grid pattern.
4. Check if the distance E is within 52 ± 0.5 mm.
5. If not, use the following procedure to change values and measure the distance E again.

<Procedure>

(Adjustment Mode) → (Key in the code [4019]) → [START] → [0] → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

→ "100% A" is displayed.

→ Press [3] → [FAX] → (A grid pattern is printed out.)

* The larger the adjustment value is, the longer the distance E becomes (approx. 0.04 mm/step).

[E-2] Adjustment for short-sized paper (Length: 219 mm or less)

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Press [3] → [FAX]. (A grid pattern with 10 mm squares is printed out. Use A4/LT from the 1st drawer.)
3. Check the grid pattern on the test print and measure the distance E from the left edge of the paper to the 6th line of the grid pattern.
4. Check if the distance E is within 52 ± 0.5 mm.
5. If not, use the following procedure to change values and measure the distance E again.

<Procedure>

(Adjustment Mode) → (Key in the code [4019]) → [START] → [1] → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

→ "100% A" is displayed

→ Press [3] → [FAX] → (A grid pattern is printed out.)

* The larger the adjustment value is, the longer the distance E becomes (approx. 0.04 mm/step).

[E-3] Adjustment for medium-sized paper (Length: 220 to 329 mm)

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Press [3] → [FAX]. (A grid pattern with 10 mm squares is printed out. Use A4-R/LT-R from the 1st drawer.)
3. Check the grid pattern on the test print and measure the distance E from the left edge of the paper to the 6th line of the grid pattern.
4. Check if the distance E is within 52 ± 0.5 mm.
5. If not, use the following procedure to change values and measure the distance E again.

<Procedure>

(Adjustment Mode) → (Key in the code [4019]) → [START] → [2] → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

→ "100% A" is displayed

→ Press [3] → [FAX] → (A grid pattern is printed out.)

* The larger the adjustment value is, the longer the distance E becomes (approx. 0.04 mm/step).

Notes:

When the laser writing start position (05-4019-0) for long-sized paper is changed, the one for medium-sized paper is also altered. (However, the value of 05-4019-2 is not changed.)

If 05-4019-0 is changed, check it with A4-R/LT-R paper and adjust the value of 05-4019-2 again as required.

<Adjustment procedure summarization for A to E>

[0] [5] [Power ON] → [98] ([3] (05-4062, 4019) for duplexing) → [FAX]

- A: 05-4772 (2nd drawer, A3/LD) → 200 ± 0.5 mm (0.1 mm/step)
- B: 05-4006 (2nd drawer, A3/LD) → 52 ± 0.5 mm (0.04 mm/step)
- 05-4018-0 (1st drawer, A4/LT)
- 05-4018-1 (2nd drawer, A3/LD)
- 05-4018-2 (3rd drawer, A4/LT)
- 05-4018-3 (4th drawer, A4/LT)
- 05-4018-4 (Tandem LCF, A4/LT)
- 05-4018-5 (Bypass feed, A4/LT)
- 05-4018-6 (Option LCF, A4/LT)
- C: 05-4526-0 to 3 (2nd drawer, A3/LD) → 200 ± 0.5 mm (0.1 mm/step)
- D: 05-4402 (2nd drawer, A3/LD) → 52 ± 0.5 mm (0.10 mm/step)
- 05-4058 (1st drawer, A4/LT)
- 05-4059 (2nd drawer, A3/LD)
- 05-4060 (3rd drawer, A4/LT)
- 05-4560 (4th drawer, A4/LT)
- 05-4061 (Bypass feed, A4/LT)
- 05-4062 (Duplex feeding, A3/LD)
- 05-4561 (Tandem LCF, A4/LT)
- 05-4063 (Option LCF, A4/LT)
- E: 05-4019-0 (2nd drawer, A3/LD), → 52 ± 0.5 mm (0.04 mm/step)
- 05-4019-1 (1st drawer, A4/LT)
- 05-4019-2 (A4-R/LT-R)

6.1.8 Scanner-related image dimensional adjustment

[A] Image distortion

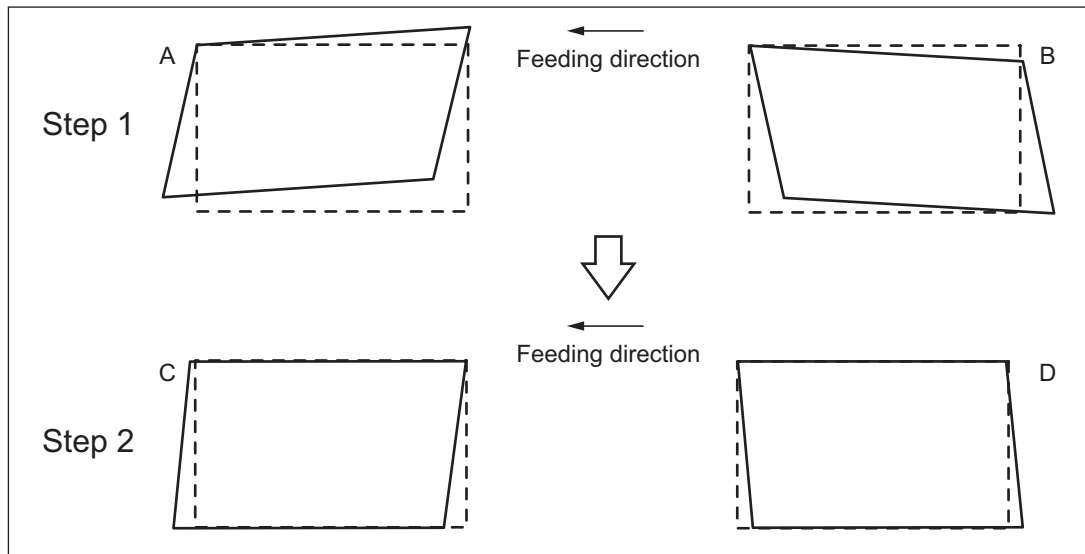


Fig.6-15

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Press [FAX] to make a copy of any image on a sheet of A3/LD paper.
- (3) Key in [3033] and press the [START] button to move the carriage to the adjustment position.

- (4) Make an adjustment in the order of step 1 and 2.

Step 1

In case of A:

Tighten the mirror-3 adjustment screw (CW).

In case of B:

Loosen the mirror-3 adjustment screw (CCW).

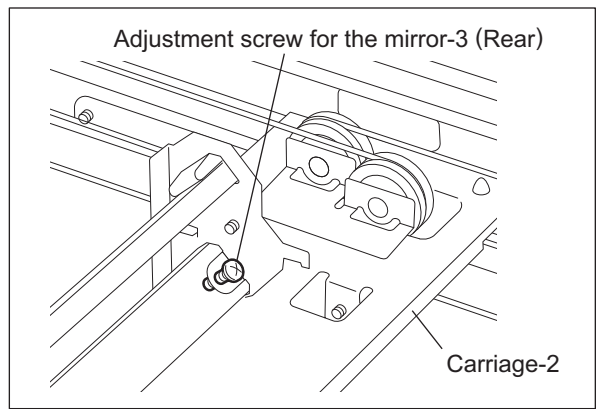


Fig.6-16

Step 2

In case of C:

Tighten the mirror-1 adjustment screw (CW).

In case of D:

Loosen the mirror-1 adjustment screw (CCW).

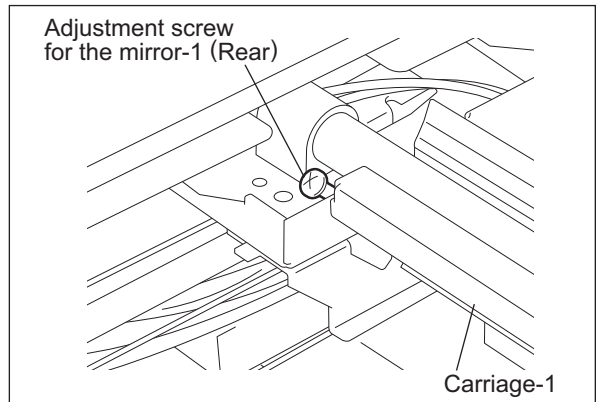


Fig.6-17

- (5) Apply the screw locking agents to the adjustment screws. (2 areas)
- Recommended screw lock agent
Manufacturer: Three Bond
Product name: 1401E

The following adjustments (b) to (e) should be performed with Test Chart No. TCC-1.

P. 6-29" Adjustments and Checks using Test Chart No. TCC-1"

[B] Reproduction ratio adjustment of primary scanning direction

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Place Test Chart No. TCC-1 on the original glass (with the arrow positioned at the left rear side).
3. Press [FAX] → [START] to make a copy at the mode of A3/LD, 100%, Full color and Text/Photo.
4. Measure the distance A between M1 and M2 on the copy with a ruler.
5. Check if the distance A is within 200 ± 0.5 mm.
6. If not, use the following procedure to change values and repeat step 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [4773]) → [START]

→ (Key in a value (acceptable values: 0 to 255) with digital keys)

→ [OK] or [INTERRUPT] (Stored in memory)

* The larger the adjustment value is, the longer the distance A becomes (approx. 0.1 mm/step).

[C] Image location of primary scanning direction

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Place Test Chart No. TCC-1 on the original glass (with the arrow positioned at the left rear side).
3. Press [FAX] → [START] to make a copy at the mode of A4/LT, 100%, Full color and Text/Photo.
4. Measure the distance B from the left paper edge to the 5 mm line of left grid pattern on the copy with a ruler.
5. Check if the distance B is within 5 ± 0.5 mm.
6. If not, use the following procedure to change values and repeat step 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in code [3030]) → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

* The larger the adjustment value is, the longer the distance B becomes (approx. 0.04 mm/step).

[D] Reproduction ratio of secondary scanning direction

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Place Test Chart No. TCC-1 on the original glass (with the arrow positioned at the left rear side).
3. Press [FAX] → [START] to make a copy at the mode of A4/LT, 100%, Full color and Text/Photo.
4. Measure the distance C between M3 and M4 on the copy with a ruler.
5. Check if the distance C is within 150 ± 0.5 mm.
6. If not, use the following procedure to change values and repeat step 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [3032]) → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

* The larger the adjustment value is, the longer the distance C becomes (approx. 0.05 mm/step).

[E] Image location of secondary scanning direction

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Place Test Chart No. TCC-1 on the original glass (with the arrow positioned at the left rear side).
3. Press [FAX] → [START] to make a copy at the mode of A4/LT, 100%, Full color and Text/Photo.
4. Measure the distance D from the top paper edge to the 10 mm line of top grid pattern on the copy with a ruler.
5. Check if the distance D is within 10 ± 0.5 mm.
6. If not, use the following procedure to change values and repeat step 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [3031]) → [START]

→ (Key in a value (acceptable values: 68 to 188))

→ [OK] or [INTERRUPT] (Stored in memory)

* The larger the adjustment value is, the longer the distance D becomes (approx. 0.09 mm/step).

[F] Top margin

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Open the RADF.
3. Press [FAX] → [START] to make a copy at the mode of A3/LD, 100%, Full color, Text/Photo and 2nd drawer.
4. Measure the blank area E at the leading edge of the copied image.
5. Check if the blank area E is within the range.

Function	Black	Color
Copy	4.2 +2.8/ -1.2mm	5-1.0 mm, 5+2.0 mm (4.0 to 7.0 mm)

6. If not, use the following procedure to change values and repeat the steps 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [4050]) → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory)

→ ("100% A" is displayed.)

* The larger the adjustment value is, the wider the blank area becomes (approx. 0.04 mm/step).

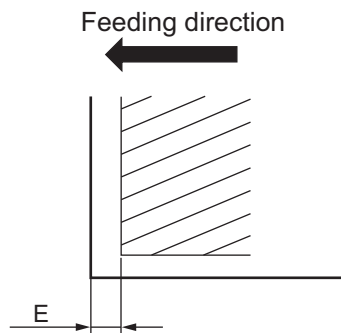


Fig.6-18

Remarks:

Paper jams tend to occur in equipment in which thin paper such as 64g/m² (17lb. Bond) paper is used or a large amount of high density images such as pictures are output. For this equipment, we recommend that you adjust the top margin "in the plus direction" in order to prevent paper jamming.

Range of top margin adjustment (e.g.)

Function	Black	Color
Copy	4.2 - 7.0 mm	5.0 - 7.0 mm

[G] Right margin

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Open the RADF.
3. Press [FAX] → [START] to make a copy at the mode of A3/LD, 100%, Full color, Text/Photo and 2nd drawer.
4. Measure the blank area F at the right side of the copied image.
5. Check if the blank area F is within the range.

Function	Black	Color
Copy	2±2.0 mm	2±2.0 mm

6. If not, use the following procedure to change values and repeat the steps 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [4052]) → [START]

→ (Key in a value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (Stored in memory).

→ ("100% A" is displayed.)

* The larger the adjustment value is, the wider the blank area at the right side becomes (approx. 0.04 mm/step).

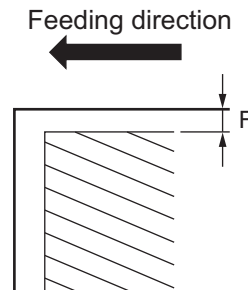


Fig.6-19

[H] Bottom margin

1. While pressing [0] and [5] simultaneously, turn the power ON. → (Adjustment Mode)
2. Open the RADF.
3. Press the [FAX] → [START] to make a copy at the mode of A3/LD, 100%, Full color, Text/Photo and 2nd drawer.
4. Measure the blank area G at the trailing edge of the copied image.
5. Check if the blank area G is within the range.

Function	Black	Color
Copy	3±2.0 mm	3±2.0 mm

6. If not, use the following procedure to change values and repeat the steps 3. to 5. above.

<Procedure>

(Adjustment Mode) → (Key in the code [4053]) → [START]

→ (Key in value (acceptable values: 0 to 255))

→ [OK] or [INTERRUPT] (stored in memory)

→ ("100% A" is displayed.)

* The larger the adjustment value is, the wider the blank area at the trailing edge becomes (approx. 0.04 mm/step).

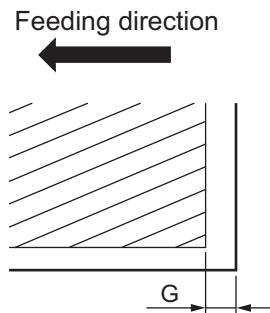


Fig.6-20

Adjustments and Checks using Test Chart No. TCC-1

Following items can be checked with the Test Chart No. TCC-1.

1. Points to be measured in the chart

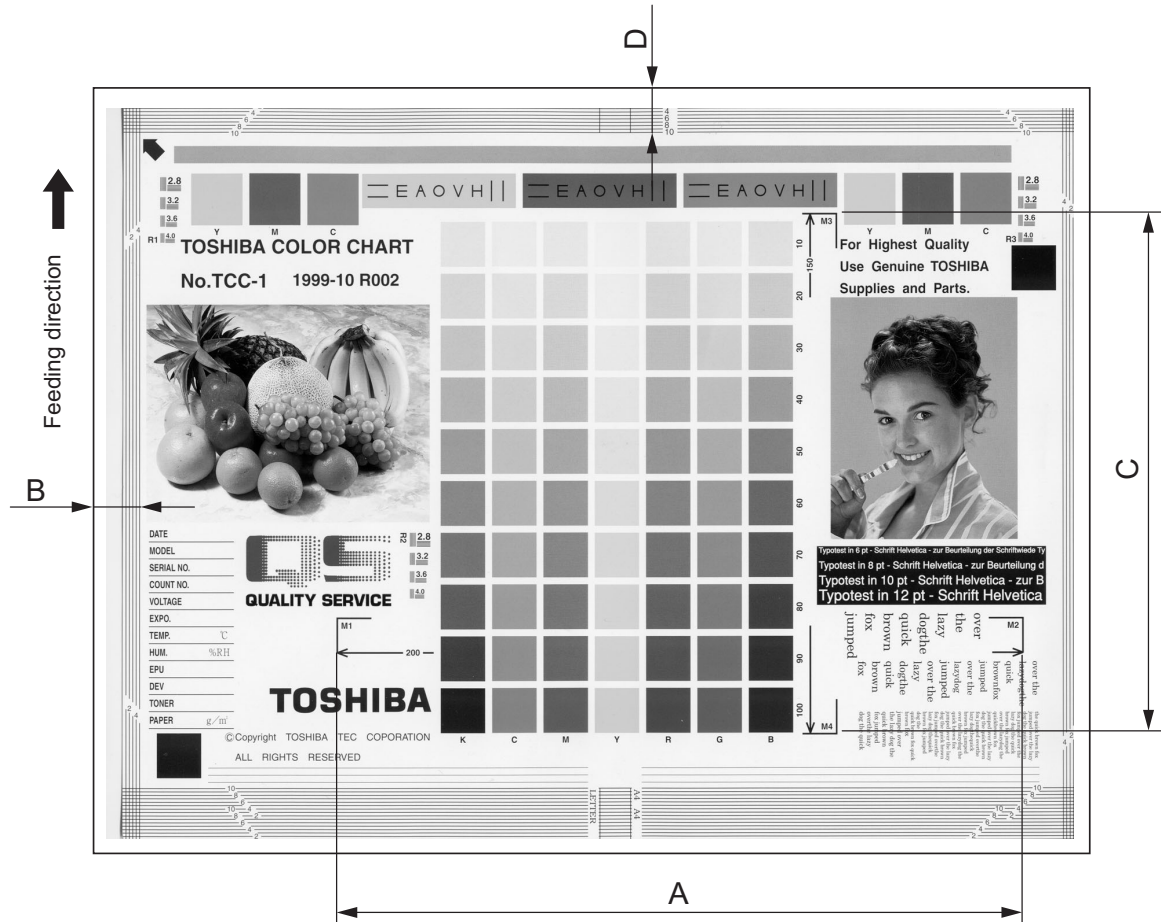


Fig.6-21

<Adjustment order>

[0] [5] [Power ON] → (Chart TCC-1) → [FAX] → [START] (A3/LD, 100%, Full color and Text/Photo)

- A: 05-4773 → 200±0.5 mm (0.1 mm/step)
- B: 05-3030 → 5±0.5 mm (0.04 mm/step)
- C: 05-3032 → 150±0.5 mm (0.05 mm/step)
- D: 05-3031 → 10±0.5 mm (0.09 mm/step)

2. Checking areas of the chart and their descriptions

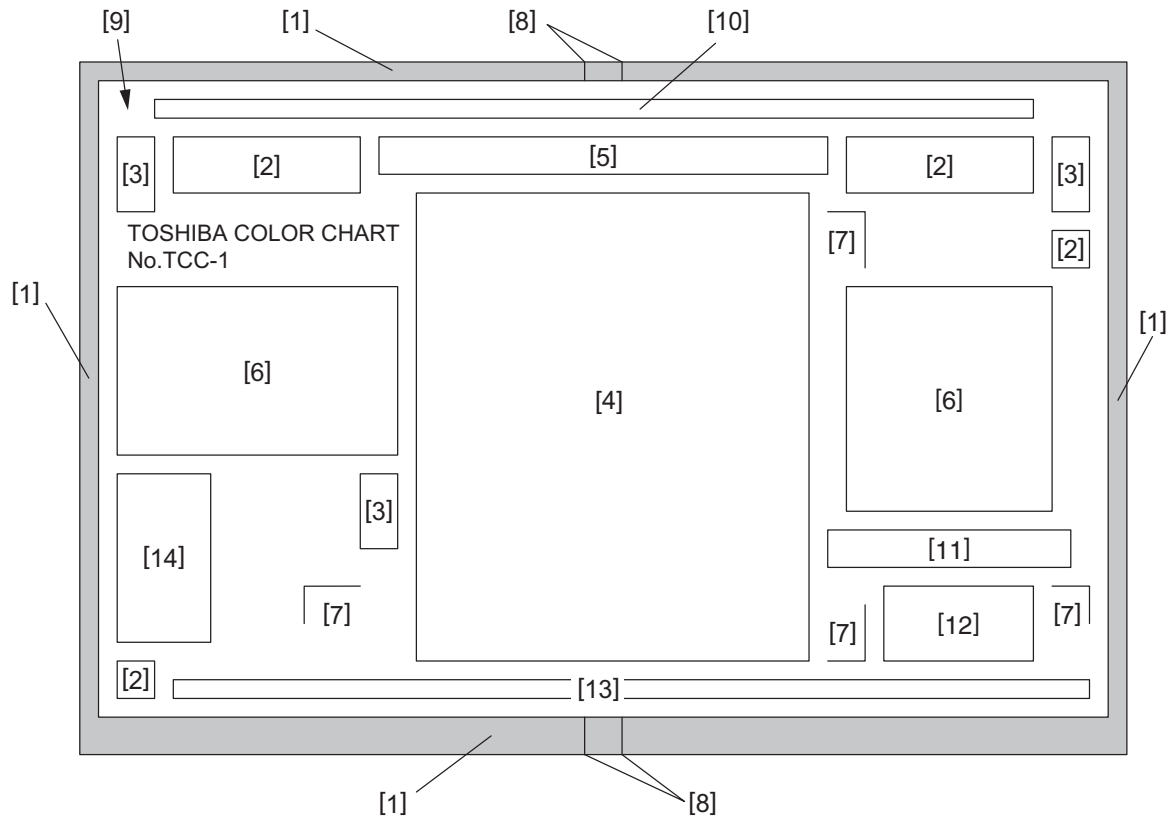


Fig.6-22

- | | | |
|------|-------------------------------|---|
| [1] | Grid patterns | : For adjusting margin (void) and scanner section |
| [2] | YMCK patches | : For checking uniformity |
| [3] | Resolution patterns | : For checking resolution |
| [4] | Gradation pattern | : Gradation pattern of seven colors (Y, M, C, R, G, B and K)
Coverage: 10-100%
For adjusting the halftone reproduction and gray balance |
| [5] | Color registration pattern | : For checking color registration |
| [6] | Pictures | : For checking color reproduction and moire |
| [7] | Magnification lines | : For checking the magnification error of primary and secondary scanning directions |
| [8] | Center lines | : Center lines for A4/LT sizes |
| [9] | Arrow | : A mark for placing the chart properly onto the original glass (place it to the left rear corner of the original glass.) |
| [10] | Halftone band | : For checking uniformity |
| [11] | White text on the black solid | : For checking the reproduction of white text on black solid |
| [12] | Text | : For checking reproduction of text |
| [13] | Thin lines | : For checking reproduction of the thin lines (line width: 100µm) |
| [14] | Note area | : For recording the date, conditions, etc. |




6.2 Image Quality Adjustment (Copying Function)

6.2.1 Automatic gamma adjustment

When the reproduction of gradation is not appropriate, the gradation reproducibility of all colors Y, M, C and K can be corrected by performing this automatic gamma adjustment. In case the gradation reproduction of the image checked is not satisfactory, make this adjustment as described below at parts replacement.

- (1) When unpacking or any of the following parts has been replaced, be sure to make this adjustment:
 - Photoconductive drum
 - Transfer belt
 - Needle electrode
 - Image quality sensor
 - Developer material
 - 1st transfer roller
 - Main charger grid
 - SRAM board (LGC board, SYS board)
 - Laser optical unit
 - Drum cleaning blade
 - Image position aligning sensor
- (2) When any of the following parts are replaced or adjusted, make a copy and check the image to determine if adjustment is necessary:
 - 2nd transfer roller

Notes:

1. Be sure that this adjustment be made after performing the image adjustment in  P. 6-4"6.1.3 Performing Image Quality Control" and  P. 6-8"6.1.5 Image Dimensional Adjustment (General description)".
2. Normally, only the adjustment of color/black integrated pattern is needed. When the adjustment of  P. 6-41"6.2.11 Beam level conversion setting" is made, color pattern and black pattern need to be adjusted individually.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.→ Adjustment Mode
- (2) Select the A4/LT drawer. Key in the pattern number and press the [FAX] button to output a "Patch chart for gamma adjustment".

Pattern No.	Pattern	Remark	Paper type
4	Color/black integrated	When performing code 05-7869	All paper types
10	Black	When performing code 05-7165*	All paper types
200	Color/black integrated	When performing code 05-7871-0	Plain paper1
202	Color/black integrated	When performing code 05-7871-1	Plain paper2
204	Color/black integrated	When performing code 05-7871-2	Recycled paper
206	Color/black integrated	When performing code 05-7871-3	Thick paper1
208	Color/black integrated	When performing code 05-7871-4	Thick paper2
210	Color/black integrated	When performing code 05-7871-5	Thick paper3
212	Color/black integrated	When performing code 05-7871-6	Thick paper4
214	Color/black integrated	When performing code 05-7871-7	Special paper 1
216	Color/black integrated	When performing code 05-7871-8	Special paper 2

*. e-STUDIO5540C/6540C/6550C only

- (3) Place the patch chart for adjustment printed in step (2) face down on the original glass. Place the chart aligning its side with 2 black squares against the original scale.

- (4) Key in a code and press the [START] button.
 → The scanner reads the chart automatically and performs automatic gamma adjustment calculation (approx. 30 sec.).

Code	Item to be adjusted	Contents
7869 (7871) (7165*)	Automatic gamma adjustment	When the reproduction of gradation is not appropriate, the gradation reproducibility of all colors Y, M, C and K can be corrected by performing this automatic gamma adjustment. The result will be applied to all paper sizes.

*. e-STUDIO5540C/6540C/6550C only

- (5) When the adjustment has finished normally, press the [OK] button to have the adjustment results reflected.
 (To cancel the reflection of adjustment results, press the [CANCEL] button.)
 In the case of an abnormal ending, "ADJUSTMENT ERROR" is shown.
 Press the [CANCEL] button to clear the error display. When it is cleared, the control panel display will return to the ready state. Then, check if the patch chart on the original glass is placed in the wrong direction or if it is placed inclined on the original glass, and then repeat step (3) and afterward.

Remarks:

To select the paper type for the automatic gamma adjustment in user calibration, change the code below to "1". (copy/print)

Code	Remarks
08-9059	0: No paper selecting buttons displayed 1: Paper selecting buttons displayed. (For both Copy and Printer)

6.2.2 Density adjustment

The center density and the density variation controlled by density adjustment keys can be adjusted as follows.

<Adjustment Mode (05)>

Mono color	Original mode					Item to be adjusted	Remarks
	Text/Photo	Text	Printed Image	Photo	Map		
Black mode	Gray scale	-	Photo	-	-		
Adjustment code	7727	7728	7729	7730	7731	center value	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)

*1: If Text/Photo is set in the mono color, the density levels of "Image smoothing" in the black mode will be affected.


*2: If Printed Image is set in the mono color, the density levels of "Photo" in the black mode will be affected.

<Adjustment Mode (05)>

Color mode	Original mode			Item to be adjusted	Remarks
	Text/Photo	Text	Custom mode		
Black	7114	7115	7258	Manual density mode center value	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)
	7120	7121	7264	Manual density mode dark step value	The larger the value is, the darker the dark side becomes. Acceptable values: 0 to 255 (Default: 20)
	7117	7118	7261	Manual density mode light step value	The larger the value is, the lighter the light side becomes. Acceptable values: 0 to 255 (Default: 20)
	7123	7124	7267	Automatic density mode	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

Notes:

Be sure that this adjustment is made after performing  P. 6-31 "6.2.1 Automatic gamma adjustment".

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in an adjustment value.
(To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value. → The equipment goes back to the ready state.
- (5) Press the [FAX] button and then press the [START] button to make a test copy.
- (6) If the desired image quality has not been attained, repeat step (2) to (5).

6.2.3 Color balance adjustment


The color balance is adjusted by adjusting the density of each color at the Full Color Mode. The adjustment is performed by selecting its density area from the following: low density, medium density and high density.

<Adjustment Mode (05)>

Color	Original mode						Item to be adjusted	Remarks
	Text/Photo	Text	Printed Image	Photo	Map	Custom mode		
Yellow	7960-0	7961-0	7962-0	7963-0	7964-0	7980-0	Low density	The larger the value is, the darker the color to be adjusted becomes. Acceptable values: 0 to 255 (Default: 128)
	7960-1	7961-1	7962-1	7963-1	7964-1	7980-1	Medium density	
	7960-2	7961-2	7962-2	7963-2	7964-2	7980-2	High density	
Magenta	7965-0	7966-0	7967-0	7968-0	7969-0	7981-0	Low density	
	7965-1	7966-1	7967-1	7968-1	7969-1	7981-1	Medium density	
	7965-2	7966-2	7967-2	7968-2	7969-2	7981-2	High density	
Cyan	7970-0	7971-0	7972-0	7973-0	7974-0	7982-0	Low density	
	7970-1	7971-1	7972-1	7973-1	7974-1	7982-1	Medium density	
	7970-2	7971-2	7972-2	7973-2	7974-2	7982-2	High density	
Black	7975-0	7976-0	7977-0	7978-0	7979-0	7983-0	Low density	
	7975-1	7976-1	7977-1	7978-1	7979-1	7983-1	Medium density	
	7975-2	7976-2	7977-2	7978-2	7979-2	7983-2	High density	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

Notes:

- Be sure that this adjustment is made after performing  P. 6-31"6.2.1 Automatic gamma adjustment".
- Changing the adjustment setting influences the adjacent density area slightly.
E.g.: When the value of the medium density is larger, the adjacent areas in the low density and high density range will become slightly darker.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the code of the mode to be adjusted (color and original mode) and press the [START] button.
- (3) Select the density area to be adjusted with digital keys (0, 1 or 2), and press the [START] button.
0: Low density (L)
1: Medium density (M)
2: High density (H)
- (4) Key in an adjustment value. (To correct the value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value in memory.
→ The equipment goes back to the ready state.
- (6) For resetting the value, repeat step (2) to (5).
- (7) Press the [FAX] button and then press the [START] button to make a test copy.
- (8) If the desired image quality has not been attained, repeat step (2) to (7).

<Range of the density area (low density, medium density, high density)>

The color from 10 to 30 (low density), from 40 to 70 (medium density) and from 80 to 100 (high density) in No. TCC-1 chart can be used as a guide for the range of the density area influenced by the change of the adjustment value (low density, medium density, high density).

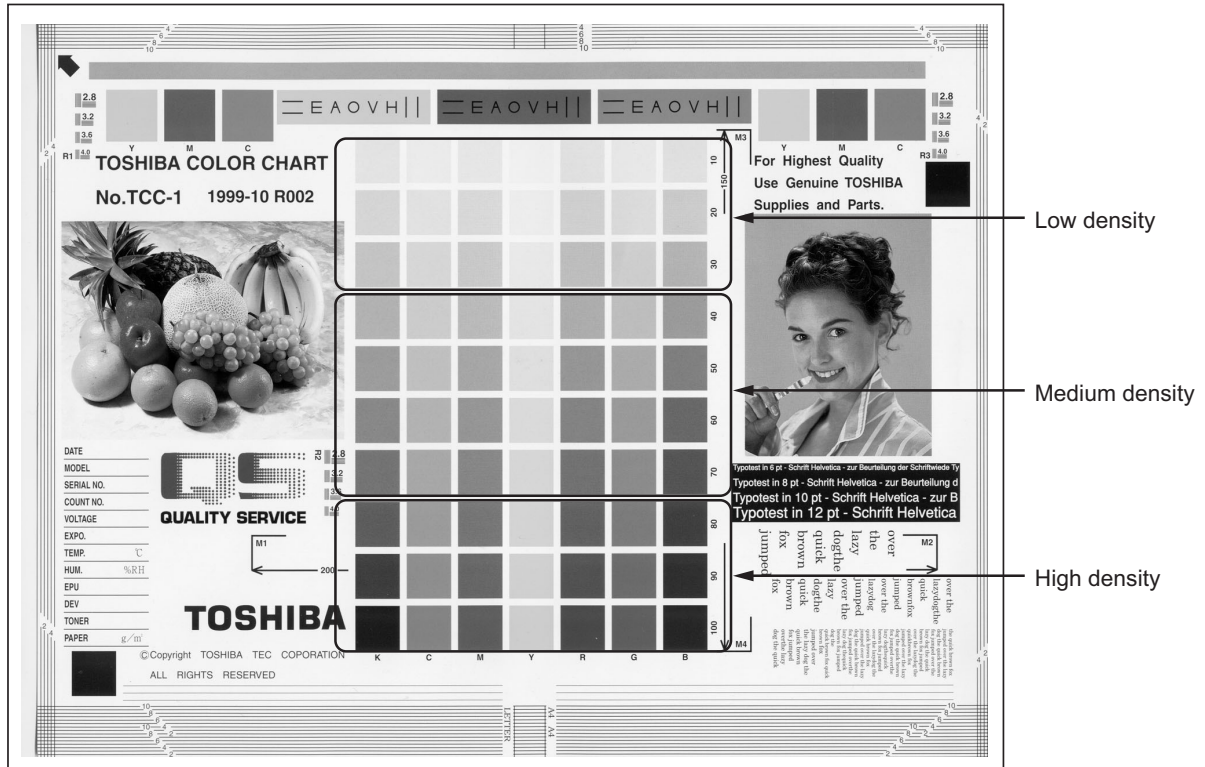


Fig.6-23

6.2.4 Gamma balance adjustment


The density adjustment at the Black Mode is performed by selecting its density area from the following: low density, medium density and high density.

<Adjustment Mode (05)>

Color mode	Original mode								Item to be adjusted	Remarks
	Text/ Photo	Text	Photo	Gray scale	ACS/ Black/ Text/ Photo	ACS/ Black/ Text	ACS/ Black/ Photo	Custom mode		
Black	7190-0	7191-0	7192-0	7956-0	7957-0	7958-0	7959-0	7276-0	Low density	The larger the value is, the density of the item to be adjusted becomes darker. Acceptable values: 0 to 255 (Default: 128)
	7190-1	7191-1	7192-1	7956-1	7957-1	7958-1	7959-1	7276-1	Medium density	
	7190-2	7191-2	7192-2	7956-2	7957-2	7958-2	7959-2	7276-2	High density	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

Notes:

Be sure that this adjustment is made after performing  P. 6-31 "6.2.1 Automatic gamma adjustment".

<Procedure>

The procedure is the same as that of  P. 6-34 "6.2.3 Color balance adjustment".

6.2.5 Background adjustment

The density of the background can be adjusted as follows.

<Adjustment Mode (05)>

Color mode	Original mode							Item to be adjusted	Remarks
	Text/Photo	Text	Printed Image	Photo	Map	Custom mode	Gray scale		
Full color	7656	7657	7658	7659	7660	7661	---	Automatic density mode/ Manual density mode	The smaller the value is, the lighter the background becomes. Acceptable values: 0 to 255 (Default: 128)
Mono Color	7754	7755	7756	7757	7758	---	---	Automatic density mode	
Twin color mode	7759	7760	7761	---	---	---	---	Manual density mode	
ACS black	7676	7677	---	---	---	---	---	Automatic density mode	
	7678	7679	---	---	---	---	---	Manual density mode	
Black	7033	7034	---	7043	---	7279	7044	Automatic density mode	
	7041	7042	---	7048	---	7280	7049	Manual density mode	

For the full color or auto color mode, when you want to adjust the background in a more detailed manner than the adjustment with the codes given in the above table, use the codes in the following table. Since the color after the adjustment may differ from the original, check the color while making it.

Color mode	Original mode							Item to be adjusted	Remarks
	Text/Photo	Text	Printed Image	Photo	Map	Custom mode	Gray scale		
Full color / Auto color (color)	7744	7745	7746	7747	7748	7762	---	Automatic density mode	The smaller the value is, the lighter the background becomes. Acceptable values: 0 to 255 (Default: 128)
	7749	7750	7751	7752	7753	7763	---	Manual density mode	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustment using the following procedure.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.6 Judgment threshold for ACS (common for copy and scan)

The judgment level is adjusted for the automatic identification of whether the original set on the glass is black or color. Namely, this is to adjust the judgment level used when "Auto Color" is selected at a color mode. The same adjustment value will be applied to all cases of the copying, network scanning, RADF scanning and manual scanning (using the original glass) simultaneously.

<Adjustment Mode (05)>

Code	Item to be adjusted	Contents
7630	Judgment threshold for ACS	The larger the value is, the more an original tends to be judged as black even at the Auto Color Mode. The smaller value is, the more it tends to be judged as color. Acceptable values: 0 to 255 (Default: 70)

Make a test copy and compare the image obtained with the current settings; if necessary and make adjustment.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.7 Sharpness adjustment

If you want to make copy images look softer or sharper, perform the following adjustment. The adjustment can be made for each of the color modes and original modes independently.

<Adjustment Mode (05)>

Code	Color mode	Original mode	Contents
7796	Full Color	Text/Photo	The larger the value is, the sharper the image becomes; while the smaller the value is, the softer the image becomes. The smaller the value is, the less moire tends to appear. Acceptable values: 0 to 255 (Default: 128)
7797		Text	
7798		Printed Image	
7799		Photo	
7800		Map	
7795		Custom mode	
7056		Black	
7057	Text		
7058	Photo		
7249	Custom mode		
7809	Gray scale		
7806	ACS black	Text/Photo	
7807		Text	
7808		Photo	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustment.

Notes:

You have to make adjustment by balancing between moire and sharpness.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.8 Setting range correction

The values of the background peak in the range correction at the Black Mode can be switched to "varied" or "fixed" in the following codes.

If they are fixed, the range correction is performed with standard values.

The values of the background peak affects the reproduction of the background density, and the values of the text peak affects that of the text density.

<Adjustment Mode (05)>

Color mode	Original mode							Item to be adjusted	Remarks
	Text/Photo	Text	Printed Image	Photo	Map	Custom mode	Gray scale		
Full color	7767	7768	7769	7770	7771	7777	---	Automatic density mode	0:Background peak/fixed 1:Background peak/varied
	7772	7773	7774	7775	7776	7778	---	Manual density mode	
ACS black mode	7667	7668	---	---	---	---	---	Automatic density mode	
	7669	7670	---	---	---	---	---	Manual density mode	
Black	---	---	---	---	---	---	---	Automatic density mode	
	7286	7287	---	---	---	7237	7296	Manual density mode	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustment.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.9 Adjustment of smudged/faint text

The smudge/faint text at a Black Mode can be set at the following codes.

<Adjustment Mode (05)>

Color mode	Original mode			Item to be adjusted	Remarks
	Text/Photo	Text	Custom mode		
Black	7097	7098	7252	Adjustment of smudged/ faint text	When the value decreases, the faint text is improved. When the value increases, the smudged text is improved. Acceptable values: 0 to 4 (Default: 2)
ACS black	7102	7103	---		

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustment.

Notes:

Remember the image specifications and life span of the replacing parts may not meet the standard when the setting value is changed from the default value.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.10 Color Adjustment of Marker

The color of the one touch adjustment “MARKER” can be adjusted so that any marker colors already on the original can be distinguished.

<Adjustment Mode (05)>

Code	Item to be adjusted	Relation between the adjustment value and the color (Acceptable values: 0 to 6)		
		0 to 2	3 (Default)	4 to 6
7850-0	Yellow	The smaller the value is, the more reddish the color becomes.	Yellow	The larger the value is, the more greenish the color becomes.
7850-1	Magenta	The smaller the value is, the more bluish the color becomes.	Magenta	The larger the value is, the more reddish the color becomes.
7850-2	Cyan	The smaller the value is, the more greenish the color becomes.	Cyan	The larger the value is, the more bluish the color becomes.
7850-3	Red	The smaller the value is, the closer to Magenta the color becomes.	Red	The larger the value is, the more yellowish the color becomes.
7850-4	Green	The smaller the value is, the more yellowish the color becomes.	Green	The larger the value is, the closer to Cyan the color becomes.
7850-5	Blue	The smaller the value is, the closer to Cyan the color becomes.	Blue	The larger the value is, the closer to Magenta the color becomes.

Notes:

The color may not always be reproduced precisely due to the characteristics of the fluorescent ink.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in a sub-code and press the [START] button.
- (4) Key in an adjustment value.
(To correct a value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value. → The equipment goes back to the ready state.
- (6) Turn the power OFF and back ON in the normal mode. Then make a copy in the one touch adjustment “MARKER” mode.
- (7) If the desired image quality has not been attained, repeat step (1) to (6).

6.2.11 Beam level conversion setting

The beam level for 4 divided smoothing is set at the Black Mode. This adjustment enables to adjust the dot size.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
7212-0	Beam level 0/4	The smaller the value is, the smaller the beam width becomes. Therefore, the smaller dot is reproduced accordingly. Acceptable values: 0 to 255 (Default: Level 0/4: 0, Level 1/4: 63, Level 2/4: 127, Level 3/4: 191, Level 4/4: 255)
7212-1	Beam level 1/4	
7212-2	Beam level 2/4	
7212-3	Beam level 3/4	
7212-4	Beam level 4/4	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in a sub-code and press the [START] button.
- (4) Key in an adjustment value.
(To correct a value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value. → The equipment goes back to the ready state.
- (6) Press the [FAX] button and then press the [START] button to make a test copy.
- (7) If the desired image quality has not been attained, repeat step (2) to (6).

Notes:

- The setting value must increase as the beam level number (0 to 4) becomes higher. Do not increase this order when setting the values.
- Usually, beam level 4 / 4 is most effective on black mode.

<e-STUDIO5540C/6540C/6550C only>

Notes:

- When this adjustment was performed, perform “Automatic gamma adjustment (black) (05-7165)” as well because the density reproduction level in the black mode will vary. In addition to performing the code 05-7165, perform the code 05-7869 or 05-7871 individually because the result of this adjustment will not be reflected to the color & black integrated pattern.
- After this adjustment, set “1” in 08-7625 so that the correction result of the Black Mode is not reflected on “Automatic Calibration”.

6.2.12 Maximum toner density adjustment to paper type

The maximum toner amount adhering to the paper can be controlled.
It is used when offsetting occurs.

<Adjustment Mode (05)>

Code	Paper type	Remarks
7913-0	Plain paper 1	The smaller the value is, the toner amount adhered decreases of the high density area (ex. prevention of fusing offsetting, etc.). Acceptable values: 0 to 255 (Default: 128)
7913-1	Plain paper 2	
7913-2	Recycled paper	
7913-3	Thick paper 1	
7913-4	Thick paper 2	
7913-5	Thick paper 3	
7913-6	Thick paper 4	
7913-7	Special paper 1	
7913-8	Special paper 2	
7913-9	OHP film	

Notes:

Even if a large value is set, the image does not drastically appear dark (the amount of toner adhering is not increased).

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.13 Maximum text density adjustment


The maximum text density in each color in the full color mode (Text/Photo, Text, Map mode) can be adjusted.

<Adjustment Mode (05)>

Color	Code	Item to be adjusted	Remarks
Yellow	7889	Maximum text density	The larger the value is, the darker the maximum text density of each color to be adjusted becomes. Acceptable values: 0 to 10 (Default: 5)
Magenta	7890		
Cyan	7891		
Black	7892		

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

Notes:

Be sure that this adjustment is made after performing  P. 6-31"6.2.1 Automatic gamma adjustment".

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.14 Text/Photo reproduction level adjustment

Text/Photo reproduction level at the Full color mode and Auto color mode can be adjusted.
Text/Photo reproduction level adjustment can be switched to "Photo oriented 1", "Photo oriented 2", "Text oriented 1" or "Text oriented 2" in the following codes.

<Adjustment Mode (05)>

Mode	Mode	Item to be adjusted	Contents
Text/Photo	Custom mode (Text/Photo base)		
7840	7841	Text/Photo reproduction level adjustment	0: Default 1: Photo oriented 2 (The printed image reproduction level higher than that of the Photo oriented 1) 2: Photo oriented 1 (The printed image reproduction level higher than that of the Default) 3: Equivalent to the Default 4: Text oriented 1 (The text reproduction level higher than that of the Default) 5: Text oriented 2 (The text reproduction level higher than that of the Text oriented 1)

Notes:

- The text reproduction level is lower when the mode is switched from the default value to the Photo oriented 1 or Photo oriented 2. (The text reproduction level in Photo oriented 2 is lower than that in Photo oriented 1.)
- When you change the setting from the default value to "Text oriented 1" or "Text oriented 2", noise occurs in a printed photo with a few lines. (More noise occurs in "Text oriented 2" than "Text oriented 1".)
- The codes for the user custom setting are enabled only when the base original mode of the user custom mode is Text/Photo.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.15 Black header density level adjustment

The density level of headers in the black mode is adjusted.

<Adjustment Mode (05)>

Mode	Code	Original mode	Remarks
Full Color/ ACS Color	7811	Text/Photo *	The larger the value is, the darker the headers become. However, the density level differs depending on the modes. Acceptable values: 0 to 8 (Default: 0) Text/Photo mode: 4 Text mode: 5 User custom setting (in the Text/Photo or Map mode base): 4 User custom setting (in the Text mode base): 5 User custom setting (in the Photo or Printed image mode base): 3
	7812	Text	
Full Color	7816	Custom mode	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustment.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.16 Black area adjustment in twin color copy mode

<Adjustment Mode (05)>

Mode	Code	Item to be adjusted	Remarks
Twin color mode with selected colors	7641-0	High density	The larger the value is, the larger the area recognized as black in the original becomes. The smaller the value is, the larger the area recognized as the color other than black becomes. Acceptable values: 0 to 255 (Default: 128)
	7641-1	Medium density	
	7641-2	Low density	
Twin color mode (Black and red)	7642-0	High density	The larger the value is, the larger the black area becomes. The smaller the value is, the larger the red area becomes. Acceptable values: 0 to 255 (Default: 128)
	7642-1	Medium density	
	7642-2	Low density	

<Procedure>

The procedure is the same as that of  P. 6-34"6.2.3 Color balance adjustment".

6.2.17 Judgment threshold adjustment for blank original

The judgment level is adjusted for automatic identification of whether the original set is blank or not. This adjustment is made when "Omit Blank Page" is selected on the control panel. The adjustment value is simultaneously applied to all modes at PPC and scanning.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
7618	Judgment threshold adjustment for blank original	The larger the value is, the more an original tends to be judged as a bank sheet. Acceptable values: 0 to 255 (Default: 128)

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.18 Background offsetting adjustment for RADF

The background level for scanning originals with the RADF is adjusted when the background fogging at the scanning of the manually-set original and the original used with the RADF is different. This is to adjust the level of the background image removed when the scanning of the originals with the RADF is performed.

<Adjustment Mode (05)>

Color mode	Code	Remarks
Full Color	7764	The larger the value is, the lighter the background density becomes. Acceptable values: 0 to 255 (Default: 128)
Mono Color	7765	
Twin Color mode	7766	
Black	7025	

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.19 Twin color copy / mono color copy adjustment

The density of the color specified on the touch panel is adjusted in the mono color copy or twin color copy mode. This adjustment is reflected to both mono color and twin color copying.

<Adjustment Mode (05)>

Code	Subcode				Remarks
	Y	M	C	K	
Magenta	7644-0	7644-1	7644-2	7644-3	The larger the value is, the darker the density becomes, and the smaller the value is, the lighter the density becomes. When "255" is set, the specified solid color is used for printing. When "0" is set, nothing is printed. For example, in case of "Red", the color when "Red" is specified becomes blue if you set as follows: (Y) 7649-0=0 (M) 7649-1=128 (C) 7649-2=255 Acceptable value: 0 to 255 (Default: 128) Notes: <ul style="list-style-type: none"> If a large value is set for all of YMCK, offsetting may occur. Make an adjustment while checking the image. If "0" is set for all four colors of YMCK, when a color is specified for the adjustment item, nothing is printed.
Yellow	7645-0	7645-1	7645-2	7645-3	
YellowGreen	7646-0	7646-1	7646-2	7646-3	
Cyan	7647-0	7647-1	7647-2	7647-3	
Pink	7648-0	7648-1	7648-2	7648-3	
Red	7649-0	7649-1	7649-2	7649-3	
Orange	7650-0	7650-1	7650-2	7650-3	
Green	7651-0	7651-1	7651-2	7651-3	
Blue	7652-0	7652-1	7652-2	7652-3	
Purple	7653-0	7653-1	7653-2	7653-3	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the code of the color to be adjusted and press the [START] button.
- (3) Select the color to be subjected to density adjustment with digital keys (0, 1, 2 or 3), and press the [START] button.
 - 0: Y
 - 1: M
 - 2: C
 - 3: K
- (4) Key in an adjustment value. (To correct the value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value in memory.
 - The equipment goes back to the ready state.
- (6) For resetting the value, repeat step (2) to (5).
- (7) Turn ON the power of the equipment and make a copy.
- (8) If the desired image quality has not been attained, repeat step (1) to (7).

6.2.20 Maximum density adjustment for each paper type

The maximum density for each paper type can be adjusted collectively.

<Adjustment Mode (05)>

Code	Paper type	Remarks
7902	Plain paper 1	The smaller the value is, the lower the density of the whole image becomes. Acceptable values: 0 to 255 (Default: Plain paper: 255, Thick paper 1: 255, Thick paper 2: 255, Thick paper 3: 255, OHP film: 240, special paper 1: 255, special paper 2: 255, Recycled paper: 255, Thick paper 4: 255)
7903	Plain paper 2	
7904	Recycled paper	
7905	Thick paper 1	
7906	Thick paper 2	
7907	Thick paper 3	
7908	Thick paper 4	
7909	Special paper 1	
7910	Special paper 2	
7911	OHP film	

Notes:

Be aware that if too small a value is set, a faint image occurs.

<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".

6.2.21 ADF noise reduction (Copying Function)

The noise reduction level for streaks can be adjusted with the following codes when a copy job whose color mode is [BLACK] is performed using the ADF while its scan noise reduction function is set to enable (*).

* When [LOW], [MIDDLE] or [HIGH] is selected in the [ADMIN] tab of the [USER FUNCTIONS] menu, or when "0", "1" or "2" is selected in 08-7617.

<Adjustment Mode (05)>

Color mode	Original mode			Item to be adjusted	Remarks
	Text/Photo	Text	Custom mode		
Black	7151	7152	7150	ADF scan noise reduction	When the value decreases, the effect of reducing streaks becomes larger. When the value increases, the effect of reducing streaks becomes smaller. When "0" is set, this function is disabled. Acceptable values: 0 to 200 (Default: 100)

When [FULL COLOR] or [AUTO COLOR] is selected for the color mode, the ADF noise reduction function for streaks can be set to enable or disable with the following codes.

Color mode	Original mode			Item to be adjusted	Remarks
	Text/Photo	Text	Custom mode		
Color	7694	-	7693	ADF scan noise reduction	Enable/Disable setting 0: Disabled 1: Enabled (Default: 1) 05-7693 is available only when "1" (TEXT/PHOTO base) is set for 08-7614.

Notes:

- Remember the image specifications and life span of the replacing parts may not meet the standard when the setting value is changed from the default value.
- If too small a value is set, the text may not be printed clearly.


<Procedure>

The procedure is the same as that of  P. 6-33"6.2.2 Density adjustment".



6.3 Image Quality Adjustment (Printing Function)

6.3.1 Automatic gamma adjustment

When the reproduction of gradation is not appropriate, the gradation reproducibility of all colors Y, M, C and K can be corrected by performing this automatic gamma adjustment. In case the gradation reproduction of the image checked is not satisfactory, make this adjustment as described below at parts replacement.

1. When unpacking or any of the following parts has been replaced, be sure to make this adjustment:
 - Photoconductive drum
 - Developer material
 - Laser optical unit
 - Transfer belt
 - 1st transfer roller
 - Drum cleaning blade
 - Needle electrode
 - Main charger grid
 - Image position aligning sensor
 - Image quality sensor
 - SRAM board (LGC board, SYS board)
2. When any of the following parts are replaced or adjusted, make a print and check the image to determine if adjustment is necessary:
 - 2nd transfer roller
 - Screen switchover (05-8176, 8179)
 P. 6-63"6.3.13 Screen switchover"

Notes:

Be sure that this adjustment be made after performing the image adjustment in  P. 6-4"6.1.3 Performing Image Quality Control" and  P. 6-8"6.1.5 Image Dimensional Adjustment (General description)".

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON. → Adjustment Mode
- (2) Select the A4/LT drawer. Key in the pattern number and press the [FAX] button to output a "Patch chart for gamma adjustment"

Pattern No.	Paper type	Remarks
70	Plain paper 1	Used when the code 8004-0 is performed (600dpi)
72	Plain paper 2	Used when the code 8004-1 is performed (600dpi)
74	Recycled paper	Used when the code 8004-2 is performed (600dpi)
76	Thick paper 1	Used when the code 8004-3 is performed (600dpi)
78	Thick paper 2	Used when the code 8004-4 is performed (600dpi)
80	Thick paper 3	Used when the code 8004-5 is performed (600dpi)
82	Thick paper 4	Used when the code 8004-6 is performed (600dpi)
84	Special paper 1	Used when the code 8004-7 is performed (600dpi)
86	Special paper 2	Used when the code 8004-8 is performed (600dpi)
230	Plain paper 1	Used when the code 8005-0 is performed (1200dpi)
232	Plain paper 2	Used when the code 8005-1 is performed (1200dpi)
234	Recycled paper	Used when the code 8005-2 is performed (1200dpi)
236	Thick paper 1	Used when the code 8005-3 is performed (1200dpi)
238	Thick paper 2	Used when the code 8005-4 is performed (1200dpi)
240	Thick paper 3	Used when the code 8005-5 is performed (1200dpi)
242	Thick paper 4	Used when the code 8005-6 is performed (1200dpi)
244	Special paper 1	Used when the code 8005-7 is performed (1200dpi)
246	Special paper 2	Used when the code 8005-8 is performed (1200dpi)

Notes:

- However, this is applied to all paper types when 05-8008 (600dpi) or 05-8009 (1200dpi) is performed.
- (3) Place the patch chart for adjustment printed in step (2) face down on the original glass, with its side, on which two black squares are present, aligned against the original scale.
 - (4) Key in a code and press the [START] button. → The scanner reads the chart automatically and performs automatic gamma adjustment calculation.

Code (600dpi)	Code (1200dpi)	Paper type	Remarks
8004-0	8005-0	Plain paper 1	When the reproduction of gradation is not appropriate, the gradation reproducibility of all colors Y, M, C and K can be corrected by performing this automatic gamma adjustment.
8004-1	8005-1	Plain paper 2	
8004-2	8005-2	Recycled paper	
8004-3	8005-3	Thick paper 1	
8004-4	8005-4	Thick paper 2	
8004-5	8005-5	Thick paper 3	
8004-6	8005-6	Thick paper 4	
8004-7	8005-7	Special paper 1	
8004-8	8005-8	Special paper 2	
8008	8009	All type paper*	

* If the code 8008 (600dpi) or 8009 (1200dpi) is performed, the adjustment will be applied to all paper types.

- (5) When the adjustment has finished normally, press the [OK] button to have the adjustment results reflected.
 (To cancel the reflection of adjustment results, press the [CANCEL] button.)
 In the case of an abnormal ending, "ADJUSTMENT ERROR" is shown. Press the [CANCEL] button to clear the error display.
 When it is cleared, the control panel display will return to the ready state. Then, check if the patch chart on the original glass is placed in the wrong direction or if it is placed inclined on the original glass, and then repeat step (3) and afterward.

To select the paper type for the automatic gamma adjustment in user calibration, change the code below to "1". (copy/print)

Code	Remarks
08-9059	0: No paper selecting buttons displayed 1: Paper selecting buttons displayed. (For both Copy and Printer)

6.3.2 Gamma balance adjustment (Black Mode)

The gamma balance is adjusted by adjusting the density at the Black Mode. The adjustment is performed by selecting its density area from the following: low density, medium density, high density and max density.

When “Black” (600 dpi) is set for the color mode and “Auto” is selected for the halftone setting, the gamma balance can be adjusted in each area of Text, Graphics and Image.

<Adjustment Mode (05)>

Color mode	Smooth	Detail	Smooth	Detail	Smooth	Detail	Item to be adjusted	Item to be adjusted	Remarks
	(PS)	(PS)	(PCL)	(PCL)	(XPS)	(XPS)	When “0” is set for “05-8066”	When “1” is set for “05-8066”	
Black (600dpi)	7315-0	7316-0	7317-0	7318-0	7319-0	7320-0	Low density	Low density	The larger the value is, the density of the item to be adjusted becomes darker.
	7315-1	7316-1	7317-1	7318-1	7319-1	7320-1	Medium density	Medium density	
	7315-2	7316-2	7317-2	7318-2	7319-2	7320-2	High density	High density / Maximum density	
Black (1200dpi)	7309-0	7310-0	---	---	---	---	Low density	Low density	Acceptable values: 0 to 255 (Default: 128)
	7309-1	7310-1	---	---	---	---	Medium density	Medium density	
	7309-2	7310-2	---	---	---	---	High density	High density / Maximum density	

Color mode	Auto (PS)			Auto (PCL)			Item to be adjusted		Remarks
	Text	Graphics	Image	Text	Graphics	Image	When "0" is set for "05-8066"	When "1" is set for "05-8066"	
Black (600dpi)	7360-0	7361-0	7362-0	7363-0	7364-0	7365-0	Low density	Low density	The larger the value is, the density of the item to be adjusted becomes darker. Acceptable values: 0 to 255 (Default: 128)
	7360-1	7361-1	7362-1	7363-1	7364-1	7365-1	Medium density	Medium density	
	7360-2	7361-2	7362-2	7363-2	7364-2	7365-2	High density	High density / Maximum density	


Color mode	Auto (XPS)			Item to be adjusted		Remarks
	Text	Graphics	Image	When "0" is set for "05-8066"	When "1" is set for "05-8066"	
Black (600dpi)	7366-0	7367-0	7368-0	Low density	Low density	The larger the value is, the density of the item to be adjusted becomes darker. Acceptable values: 0 to 255 (Default: 128)
	7366-1	7367-1	7368-1	Medium density	Medium density	
	7366-2	7367-2	7368-2	High density	High density / Maximum density	

Notes:

- Be sure that this adjustment be made after performing "P. 6-49"6.3.1 Automatic gamma adjustment".
- Changing the adjustment setting influences the adjacent density area slightly. E.g.: When the value of the medium density is larger, the adjacent areas in the low density and high density range will become slightly darker.
- The adjustment item can be changed by the setting value of code 05-8066; however, the maximum density may not appear as high even when High density / Maximum density is set to high if "1" is set for "05-8066".

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes to be adjusted (language and screen) and press the [START] button.
- (3) Key in the value corresponding to the density area to be adjusted (0, 1 or 2) and press the [START] button.
0: Low density 1: Medium density 2: High density/Max density
- (4) Key in the adjustment value. (To correct the value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (6) For resetting the value, repeat step (2) to (5).
- (7) Let the equipment restart and perform the printing job.
- (8) If the image density has not been attained, repeat step (1) to (7)

<Range of the density area (low density, medium density, high density, highest density)>
 The color from the 1st to the 7th stage (low density), from the 8th to the 11th stage (medium density) and from the 12th (high density) to the 13th stage (highest density) in "Patch chart for gamma adjustment ([71] [FAX])" output as a confirmation in  P. 6-49"6.3.1 Automatic gamma adjustment" can be used as a guide for the range of the density area (low density, medium density, high density, highest density) influenced by the change of the adjustment value.

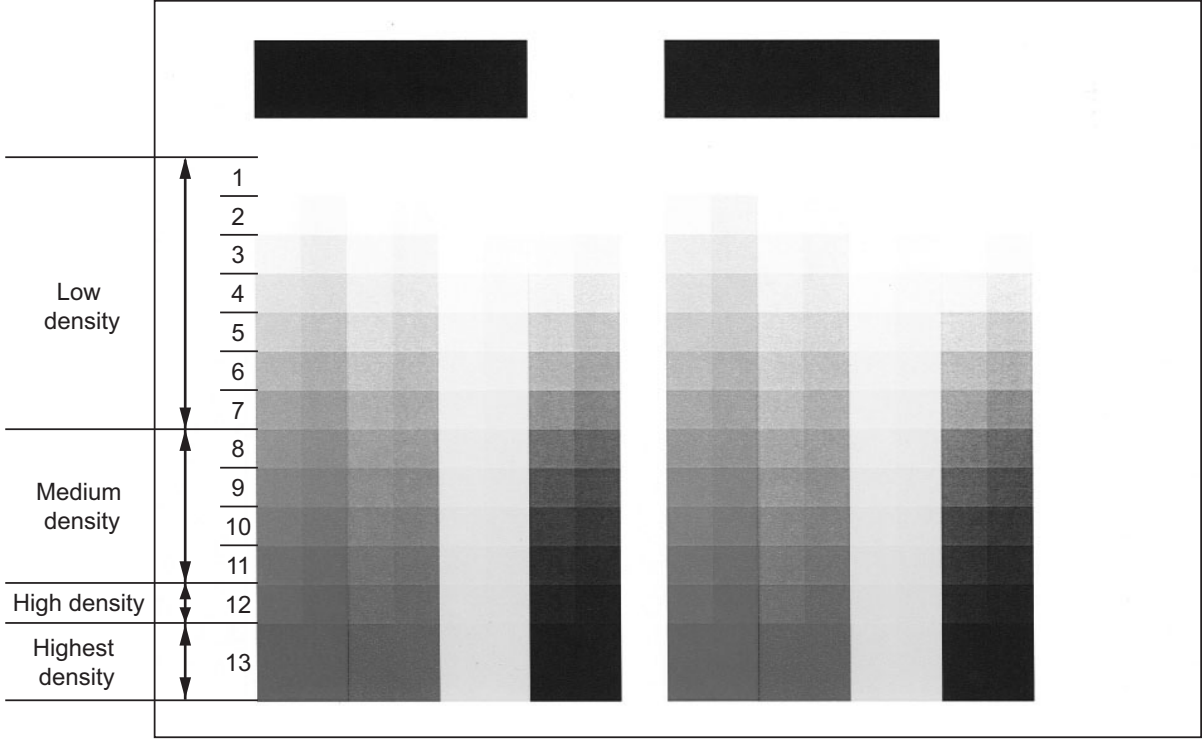


Fig.6-24

6.3.3 Color balance adjustment


The color balance is adjusted by adjusting the density of each color. The adjustment is performed by selecting its density area from the following: low density, medium density, high density and max density.
<Adjustment Mode (05)>

For color printing


Color	PS		PCL		XPS		Item to be adjusted		Remarks
	smooth	detail	smooth	detail	smooth	detail	When "0" is set for "05-8066"	When "1" is set for "05-8066"	
Yellow (600dpi)	8050-0	8054-0	8058-0	8062-0	8042-0	8046-0	Low	Low	The larger the value is, the darker the color to be adjusted becomes. Acceptable values: 0 to 255 (Default: 128)
	8050-1	8054-1	8058-1	8062-1	8042-1	8046-1	Medium	Medium	
	8050-2	8054-2	8058-2	8062-2	8042-2	8046-2	High density	High density/ Highest density	
Magenta (600dpi)	8051-0	8055-0	8059-0	8063-0	8043-0	8047-0	Low	Low	
	8051-1	8055-1	8059-1	8063-1	8043-1	8047-1	Medium	Medium	
	8051-2	8055-2	8059-2	8063-2	8043-2	8047-2	High density	High density/ Highest density	
Cyan (600dpi)	8052-0	8056-0	8060-0	8064-0	8044-0	8048-0	Low	Low	
	8052-1	8056-1	8060-1	8064-1	8044-1	8048-1	Medium	Medium	
	8052-2	8056-2	8060-2	8064-2	8044-2	8048-2	High density	High density/ Highest density	
Black (600dpi)	8053-0	8057-0	8061-0	8065-0	8045-0	8049-0	Low	Low	
	8053-1	8057-1	8061-1	8065-1	8045-1	8049-1	Medium	Medium	
	8053-2	8057-2	8061-2	8065-2	8045-2	8049-2	High density	High density/ Highest density	
Yellow (1200dpi)	8268-0	8272-0	---	---	---	---	Low	Low	
	8268-1	8272-1	---	---	---	---	Medium	Medium	
	8268-2	8272-2	---	---	---	---	High density	High density/ Highest density	
Magenta (1200dpi)	8269-0	8273-0	---	---	---	---	Low	Low	
	8269-1	8273-1	---	---	---	---	Medium	Medium	
	8269-2	8273-2	---	---	---	---	High density	High density/ Highest density	
Cyan (1200dpi)	8270-0	8274-0	---	---	---	---	Low	Low	
	8270-1	8274-1	---	---	---	---	Medium	Medium	
	8270-2	8274-2	---	---	---	---	High density	High density/ Highest density	
Black (1200dpi)	8271-0	8275-0	---	---	---	---	Low	Low	
	8271-1	8275-1	---	---	---	---	Medium	Medium	
	8271-2	8275-2	---	---	---	---	High density	High density/ Highest density	

Color	PS		PCL		XPS		Item to be adjusted		Remarks
	smooth	Detail	smooth	Detail	smooth	Detail	When "0" is set for "05-8066"	When "1" is set for "05-8066"	
Yellow	8026-0	8030-0	8034-0	8038-0	8150-0	8154-0	Low density	Low density	The larger the value is, the darker the color to be adjusted becomes. Acceptable values: 0 to 255 (Default: 128)
	8026-1	8030-1	8034-1	8038-1	8150-1	8154-1	Medium density	Medium density	
	8026-2	8030-2	8034-2	8038-2	8150-2	8154-2	High density	High density/ Highest density	
Magenta	8027-0	8031-0	8035-0	8039-0	8151-0	8155-0	Low density	Low density	
	8027-1	8031-1	8035-1	8039-1	8151-1	8155-1	Medium density	Medium density	
	8027-2	8031-2	8035-2	8039-2	8151-2	8155-2	High density	High density/ Highest density	
Cyan	8028-0	8032-0	8036-0	8040-0	8152-0	8156-0	Low density	Low density	
	8028-1	8032-1	8036-1	8040-1	8152-1	8156-1	Medium density	Medium density	
	8028-2	8032-2	8036-2	8040-2	8152-2	8156-2	High density	High density/ Highest density	
Black	8029-0	8033-0	8037-0	8041-0	8153-0	8157-0	Low density	Low density	
	8029-1	8033-1	8037-1	8041-1	8153-1	8157-1	Medium density	Medium density	
	8029-2	8033-2	8037-2	8041-2	8153-2	8157-2	High density	High density/ Highest density	


Notes:

- Be sure that this adjustment be made after performing  P. 6-49"6.3.1 Automatic gamma adjustment".
- Changing the adjustment setting influences the adjacent density area slightly.
E.g.: When the value of the medium density is larger, the adjacent areas in the low density and high density range will become slightly darker.
- The adjustment item can be changed by the setting value of code 05-8066; however, the maximum density may not appear as high even when High density / Maximum density is set to high if "1" is set for "05-8066".

<Procedure>

The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

<Range of the density area (low density, medium density, high density, highest density)>

The color from the 1st to the 7th stage (low density), from the 8th to the 11th stage (medium density), from the 12th stage (high density) and from the 13 stage (highest density) in "Patch chart for gamma adjustment ([71] [FAX])" output in  P. 6-49"6.3.1 Automatic gamma adjustment" can be used as a guide for the range of the density area influenced by the adjustment with the printer driver and the change of the adjustment value (low density, medium density, high density and highest density (Refer to P. 6-54"Fig.6-24"v).

6.3.4 Adjustment of faint text

The faint text can be improved in the following codes.

<Adjustment Mode (05)>

Black mode			Color mode			Remarks
PS	PCL	XPS	PS	PCL	XPS	
7340	7341	7342	8130	8131	8132	When the small characters or fine lines in a halftone image are faint, they can be improved by increasing the value to raise the density level. Acceptable values: 0 to 8 (Default: 0)

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes to be adjusted and press the [START] button.
- (3) Key in the adjustment value. (To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (5) For resetting the value, repeat step (2) to (4).
- (6) Let the equipment restart and perform the printing job.
- (7) If the desired image has not been attained, repeat step (1) to (6).


6.3.5 Upper limit value at Toner Saving Mode

The upper limit value of the density when "Toner save" is selected in the Custom tab of the printer driver can be adjusted.

<Adjustment Mode (05)>

Color	PS	PCL	XPS	Remarks
Black mode (600dpi)	7307-0	7307-1	7307-2	The smaller the value is, the lighter the density of image becomes. Acceptable values: 0 to 255
Color mode (600dpi)	8160-0	8160-1	8160-2	
Black mode (1200dpi)	7302	---	---	
Color mode (1200dpi)	8161	---	---	

<Procedure>

The procedure is the same as that of  P. 6-52 "6.3.2 Gamma balance adjustment (Black Mode)".

6.3.6 Maximum toner density adjustment (OHP)

The maximum toner amount adhering can be controlled.

<Adjustment Mode (05)>

Code	Paper type	Remarks
8145	OHP film (600dpi)	The smaller the value is, the toner amount adhered decreases of the high density area (ex. prevention of fusing offsetting, etc.). Acceptable values: 0 to 255
8149	OHP film (1200dpi)	

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".

Notes:

The larger the value is, the more frequently fusing offsetting occurs.


6.3.7 Fine line enhancement switchover

The setting of the thin line enhancement is changed.

<Adjustment Mode (05)>

	Black mode			Color mode			Remarks
	PS	PCL	XPS	PS	PCL		
e-Bridge	7322-0	7322-1	7322-2	8102-0	8102-1	8102-2	Whether fine lines are enhanced or not can be switched. 0: OFF 1: ON Acceptable values: 0 to 1 (Default: 1)
EFI	7323-0	7323-1	---	8103-0	8103-1	---	

<Procedure>


The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.8 "PureBlack/PureGray" threshold adjustment (PS)

<Adjustment Mode (05)>

Original mode					Item to be adjusted	Remarks
General	Photographic	Presentation	Line art	Color profile		
8252-0	8252-1	8252-2	8252-3	8252-4	Text	The larger the value is, the wider the color range to be printed only with the black toner becomes. The smaller the value is, the narrower this color range becomes. Acceptable values: 1 to 255
8253-0	8253-1	8253-2	8253-3	8253-4	Graphics	
8254-0	8254-1	8254-2	8254-3	8254-4	Image	

<Procedure>


The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.9 “PureBlack/PureGray” threshold adjustment (PCL)

<Adjustment Mode (05)>

Original mode				Item to be adjusted	Remarks
General	Photographic	Presentation	Line art		
8210-0	8210-1	8210-2	8210-3	Text	The larger the value is, the wider the color range to be printed only with the black toner becomes. The smaller the value is, the narrower this color range becomes. Acceptable values: 1 to 255
8211-0	8211-1	8211-2	8211-3	Graphics	
8212-0	8212-1	8212-2	8212-3	Image	

<Procedure>


The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.10 “PureBlack/PureGray” threshold adjustment (XPS)

<Adjustment Mode (05)>

Original mode					Item to be adjusted	Remarks
General	Photographic	Presentation	Line art	Color profile		
8249-0	8249-1	8249-2	8249-3	8249-4	Text	The larger the value is, the wider the color range to be printed only with the black toner becomes. The smaller the value is, the narrower this color range becomes. Acceptable values: 1 to 255
8250-0	8250-1	8250-2	8250-3	8250-4	Graphics	
8251-0	8251-1	8251-2	8251-3	8251-4	Image	

<Procedure>

The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.11 “PureBlack/PureGray” threshold adjustment (Twin color print)

<Adjustment Mode (05)>

Code	Paper type	Remarks
8213	Text	The larger the value is, the wider the color range to be printed only with the black toner becomes. The smaller the value is, the narrower this color range becomes. Acceptable values: 1 to 255
8214	Graphics	
8215	Image	

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".

6.3.12 Toner limit threshold adjustment

<Adjustment Mode (05)>

<600dpi>

Smooth (PS/PCL/XPS)	Detail (PS/PCL/XPS)	Paper type	Remarks
8071-0	8070-0	Plain paper 1	When you set a larger value, the density becomes high in some parts of the high density area since the maximum amount of toner adhering increases. When you set a smaller value, the reproduction of the gradation tends to be reduced since the maximum amount of toner adhering decreases and the maximum density becomes low. Be aware that if too large a value is set, offsetting occurs.
8071-1	8070-1	Plain paper 2	
8071-2	8070-2	Recycled paper	
8071-3	8070-3	Thick paper 1	
8071-4	8070-4	Thick paper 2	
8071-5	8070-5	Thick paper 3	
8071-6	8070-6	Thick paper 4	
8071-7	8070-7	Special paper 1	
8071-8	8070-8	Special paper 2	
8071-9	8070-9	OHP film	Acceptable values: 0 to 255 (Default: 128)

<1200dpi>

Smooth (PS)	Detail (PS)	Paper type	Remarks
8090-0	8089-0	Plain paper 1	When you set a larger value, the density becomes high in some parts of the high density area since the maximum amount of toner adhering increases. When you set a smaller value, the reproduction of the gradation tends to be reduced since the maximum amount of toner adhering decreases and the maximum density becomes low. Be aware that if too large a value is set, offsetting occurs.
8090-1	8089-1	Plain paper 2	
8090-2	8089-2	Recycled paper	
8090-3	8089-3	Thick paper 1	
8090-4	8089-4	Thick paper 2	
8090-5	8089-5	Thick paper 3	
8090-6	8089-6	Thick paper 4	
8090-7	8089-7	Special paper 1	
8090-8	8089-8	Special paper 2	
8090-9	8089-9	OHP film	Acceptable values: 0 to 255 (Default: 128)

6.3.13 Screen switchover


<Adjustment Mode (05)>

Code	Remarks
8176	The level of the screen ruling when "Smooth" is selected for the "Halftone" in the "Detailed setting" in the Image quality tab of the printer driver can be switched. 0: High screen ruling value (smoother image) 1: Low screen ruling value (rougher image)
8179 (EFI Printer Board)	

When "0" is set for "05-8176" or "05-8179" (EFI printer board), the level of the screen ruling in the Black mode can be individually switched by the following codes:

Code	Item to be adjusted	Remarks
8187	Graphics	The level of the screen ruling in the Black mode is switched. 0: High screen ruling value (fine) 1: Low screen ruling value (rough) * It is enabled only when "0" is set for "05-8176". When "1" is set for "05-8176", the setting by this code is disabled and low screen ruling value is applied.
8188	Image	
8190 (EFI Printer board)	Graphics	The level of the screen ruling in the Black mode is switched. 0: High screen ruling value (fine) 1: Low screen ruling value (rough) * It is enabled only when "0" is set for "05-8179". When "1" is set for "05-8179", the setting by this code is disabled and low screen ruling value is applied.
8191 (EFI Printer board)	Image	

Notes:

When the screen is switched, perform  P. 6-49"6.3.1 Automatic gamma adjustment".

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".

6.3.14 Sharpness adjustment

This adjustment is applied when images need to be softer or sharper.

The adjustment is available for each original mode.


The performance of this adjustment differs depending on the setting value of 05-7322, 05-7323, 05-8102 or 05-8103 with "6.3.7 Fine line enhancement switchover" as shown below.

<Adjustment Mode (05)>

Item to be adjusted	When "1" is set for "05-7322"	When "1" is set for "05-8102"					When "1" is set for 05-7323 or 05-8103	Remarks
	Black	Color					Color/Black	
	e-Bridge	e-Bridge					EFI	
	-	General	Photo	Present ation	Line art	Red Seal Color	-	
Image	8118-2	8110-2	8111-2	8112-2	8113-2	8109-2	8119-2	The larger the value is, the sharper the image becomes. The smaller the value is, the softer the image becomes. Acceptable values: 0 to 255 (Default: 128) It is possible to input the codes with "NA", though their effect does not appear on the images.
Small and thin line text	8118-1	8110-1	8111-1(NA)	8112-1(NA)	8113-1	8109-1	8119-1	
Others	8118-0(NA)	8110-0(NA)	8111-0(NA)	8112-0(NA)	8113-0(NA)	8109-0(NA)	8119-0(NA)	

Item to be adjusted	When "0" is set for "05-7322"	When "0" is set for "05-8102"					When "0" is set for 05-7323 or 05-8103	Remarks
	Black	Color					Color/Black	
	e-Bridge	e-Bridge					EFI	
	-	General	Photo	Present ation	Line art	Red Seal Color	-	
Image	8118-2	8110-2	8111-2	8112-2	8113-2	8109-2	8119-2	The larger the value is, the sharper the image becomes. The smaller the value is, the softer the image becomes. Acceptable values: 0 to 255 (Default: 128) It is possible to input the codes with "NA", though their effect does not appear on the images.
Graphics	8118-1	8110-1	8111-1(NA)	8112-1(NA)	8113-1	8109-1	8119-1	
Text	8118-0(NA)	8110-0(NA)	8111-0(NA)	8112-0(NA)	8113-0(NA)	8109-0(NA)	8119-0(NA)	

<Procedure>

The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.15 Adjustment of smudged text (1200 dpi)

The smudged text can be improved in the following codes.

<Adjustment Mode (05)>

Code	Remarks
7305	The larger the value is, the lighter the small text and fine lines become and the more smudged text is suppressed. 0: Smudged text is suppressed most 9: Faint text is suppressed most (Default: 5(e-STUDIO5540C/6540C/6550C), 6(e-STUDIO5560C/6560C/6570C)) Acceptable values: 0 to 9

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".

6.3.16 Thin line width lower limit adjustment

<Adjustment Mode (05)>

Code	Remarks
8240 (600dpi)	Sets the lower limit value of the thin line width when "Distinguish Thin Lines" is selected in the screen selecting menu of the printer driver.
8241 (1200dpi)	The larger the value is, the thicker (darker) the thin line becomes. Acceptable values: 1 to 9 (Default: 2(600dpi), 4(1200dpi))

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".

6.3.17 Color/black judgment setting for twin color printing images

The color reproduction of the image object is specified in the twin color mode.

<Adjustment Mode (05)>

Code	Remarks
8218	0: Reproduced with black and the specified color 1: Reproduced with black only (default) Acceptable values: 0 to 1 (Default: 0)

<Procedure>

The procedure is the same as that of  P. 6-58"6.3.4 Adjustment of faint text".


6.3.18 Background adjustment

The density of background can be adjusted as follows.

<Adjustment Mode (05)>

Color mode	PS		PCL		XPS		Remarks
	Smooth	Detail	Smooth	Detail	Smooth	Detail	
Color (600dpi)	8010-0	8013-0	8010-1	8013-1	8010-2	8013-2	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes. Acceptable value: 0 to 255 (Default: 128)
Twin color (600dpi)	8011-0	8014-0	8011-1	8014-0	8011-2	8014-2	
Black (600dpi)	8012-0	8015-0	8012-1	8015-1	8012-2	8015-2	
Color (1200dpi)	8016	8019	---	---	---	---	
Black (1200dpi)	8018	8021	---	---	---	---	

<Procedure>

The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

6.3.19 Density adjustment of graphic lines (1200 dpi)

This adjustment is available only when "Distinguish Thin Lines" of the printer driver is selected.

<Adjustment Mode (05)>


Color mode	Code	Remarks
Color/Black	8242-0	When "Distinguish Thin Lines" is selected in the screen selection menu of the printer driver, the density of the line in Black in the line density range specified by "05-8243-0" or "05-8243-1" can be adjusted. The larger the value is, the darker the line density becomes. Acceptable value: 0 to 5 (Default: 3)
	8242-1	When "Distinguish Thin Lines" is selected in the screen selection menu of the printer driver, the density of the line in Yellow, Magenta and Cyan in the line density range specified by "05-8243-2" or "05-8243-3" can be adjusted. The larger the value is, the darker the line density becomes. Acceptable value: 0 to 5 (Default: 1)

Color mode	Code	Remarks	
Color/Black	8243-0	The effective range (lower limit) of the density adjustment for the line in Black can be set. Acceptable value: 0 to 255 (Default: 1)	The density range selected in the upper and lower limit is adjusted with 05-8242-0.
	8243-1	The effective range (upper limit) of the density adjustment for the line in Black can be set. Acceptable value: 0 to 255 (Default: 200)	
	8243-2	The effective range (lower limit) of the density adjustment for the line in Yellow, Magenta or Cyan can be set. Acceptable value: 0 to 255 (Default: 1)	The density range selected in the upper and lower limit is adjusted with 05-8242-1.
	8243-3	The effective range (upper limit) of the density adjustment for the line in Yellow, Magenta or Cyan can be set. Acceptable value: 0 to 255 (Default: 255)	

Notes:

Be sure to set the values of the upper and lower limit properly so that they are not set in reverse.
The line density adjustment codes with black (8242-0, 8243-0 and 8243-1) are in common for both the color and black modes.

<Procedure>

The procedure is the same as that of  P. 6-52 "6.3.2 Gamma balance adjustment (Black Mode)".

6.3.20 Beam level conversion setting

The beam level used for smoothing process (divided into 4) in the BOX printing, list printing, network FAX and e-mail FAX can be set.


The size of the dots can be adjusted.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
7300-0	Beam level 0/4	The smaller the value is, the smaller the beam width of the primary scanning direction becomes. Therefore, the smaller dots are reproduced accordingly. Acceptable values: 0 to 255 (Default: Level 0/4: 0, Level 1/4: 63, Level 2/4: 127, Level 3/4: 191, Level 4/4: 255)
7300-1	Beam level 1/4	
7300-2	Beam level 2/4	
7300-3	Beam level 3/4	
7300-4	Beam level 4/4	

Make a test copy and compare the image obtained with the current settings; if necessary, make adjustments according to the following procedure.

<Procedure>

The procedure is the same as that of  P. 6-52"6.3.2 Gamma balance adjustment (Black Mode)".

Notes:

1. The setting value must increase as the beam level number (0 to 4) becomes higher. Do not increase this order when setting the values.
2. Usually, beam level 4 / 4 is most effective on black mode.
3. It is not applied to the images printed in the Black mode (600 dpi/1200 dpi) by the printer driver.

6.4 Image Quality Adjustment (Scanning Function)

6.4.1 Gamma balance adjustment

The gamma balance at the Black Mode is adjusted by adjusting the density. The adjustment is performed by selecting its density area from the following: low density, medium density and high density.

<Adjustment Mode (05)>

Black			Gray Scale	Item to be adjusted	Remarks
Original mode					
Text/Photo	Photo	Custom mode			
7485-0	7487-0	7480-0	7488-0	Low density	The larger the value is, the density of the item to be adjusted becomes darker. Acceptable values: 0 to 255 (Default: 128)
7485-1	7487-1	7480-1	7488-1	Medium density	
7485-2	7487-2	7480-2	7488-2	High density	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the code corresponding to the desired original mode and press the [START] button.
- (3) Key in the value corresponding to the density area to be adjusted (0, 1 or 2) and press the [START] button.
0: Low density (L), 1: Medium density (M), 2: High density (H)
- (4) Key in the adjustment value. (To correct the value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (6) For resetting the value, repeat step (2) to (5).
- (7) Let the equipment restart and perform the scanning job.
- (8) If the desired image has not been attained, repeat step (1) to (7).

6.4.2 Density adjustment

Adjusts the center density and the variation of density adjustment buttons.

<Adjustment Mode (05)>

Color Mode	Original mode				Item to be adjusted	Remarks
	Text	Printed image	Photo	Custom mode		
Color	8340	8341	8342	8380	Manual density center value	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)
	8344	8345	8346	8381	Manual density light step value	Sets the changing amount by 1 step at the density adjustment on the control panel. The larger the value is, the lighter the light side becomes. Acceptable values: 0 to 255 (Default: 20)
	8348	8349	8350	8382	Manual density dark step value	Sets the changing amount by 1 step at the density adjustment on the control panel. The larger the value is, the darker the dark side becomes. Acceptable values: 0 to 255 (Default: 20)

<Adjustment Mode (05)>

Black				Gray Scale	Item to be adjusted	Remarks
Original mode						
Text/Photo	Text	Photo	Custom mode			
7444	7445	7446	7475	7447	Manual density center value	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)
7456	7457	7458	7478	7459	Automatic density	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in an adjustment value (acceptable values: 0 to 255).
(To correct a value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (5) Let the equipment restart and perform the scanning.
- (6) If the desired image quality has not been attained, repeat step (1) to (5).

6.4.3 Background adjustment (Color Mode)

The adjustment level of background center value is adjusted. The control value of background adjustment button is automatically adjusted to the same level as the adjusted center value. For example, when the control value of background adjustment key ranges from 0 to 6, the background center value (-2 to +2) is used to be the range from 6 to 14 accordingly.

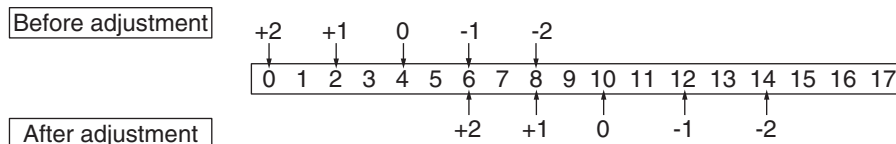


Fig.6-25

<Adjustment Mode (05)>

Code	Original mode	Remarks
8310	Text	The smaller the value is, the background becomes lighter. Acceptable values: 0 to 50 (Default: 50)
8311	Printed Image	
8312	Photo	
8370	Custom mode	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes and press the [START] button.
- (3) Key in the adjustment values. Acceptable values: 0 to 50. (To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. ◇ The equipment goes back to the ready state.
- (5) Let the equipment restart and perform the scanning job.
- (6) If the desired image has not been attained, repeat step (1) to (5).

6.4.4 Judgment threshold for ACS (common for copy & scan)

The judgment level is adjusted for the automatic identification of whether the original set on the glass is black or color. Namely, this is to adjust the judgment level used when "Auto Color" is selected at color modes. The same adjustment value will be applied to all cases of the copying, network scanning, RADF scanning and manual scanning (using the original glass) simultaneously.

<Adjustment Mode (05)>

Code	Item to be adjusted	Contents
7630	Judgment threshold for ACS	The larger the value is, the more an original tends to be judged as black even at the Auto Color Mode. The smaller the value is, the more it tends to be judged as color. Acceptable values: 0 to 255 (Default: 70)

<Procedure>:

The procedure is the same as that of P. 6-71 "6.4.2 Density adjustment".

6.4.5 Sharpness adjustment

If you want to make scan images look softer or sharper, perform the following adjustment. The adjustment can be made for each of the color modes and original modes independently.

<Adjustment Mode (05)>

Code	Color mode	Original mode	Contents
8335	Full Color	Text	<ul style="list-style-type: none"> The larger the value is, the sharper the image becomes; while the smaller the value is, the softer the image becomes. The smaller the value is, the less moire tends to appear. The acceptable values are 0 to 255. The center value is 128.
8336		Printed Image	
8337		Photo	
8375		Custom mode	
7430	Black	Text/Photo	
7431		Text	
7432		Photo	
7470		Custom mode	
7433	Gray Scale	-	

Notes:

You have to make adjustment by balancing between moire and sharpness.

<Procedure>

The procedure is the same as that of  P. 6-71 "6.4.2 Density adjustment".

6.4.6 Setting range correction

The values of the background peak in the range correction can be switched to "varied" or "fixed" in the following codes.

If they are fixed, the range correction is performed with standard values.

<Adjustment Mode (05)>

Color mode	Original mode				Gray Scale	Item to be adjusted	Remarks
	Text/Photo	Text	Photo	Custom mode			
Black	7416	7417	7418	7425	7419	Range correction (Automatic density adjustment)	0: Background peak - fixed 1: Background peak - varied
	7421	7422	7423	7426	7424		

Color mode	Original mode				Item to be adjusted	Remarks
	Text	Printed image	Photo	Custom mode		
Color	8330	8331	8332	8334	Range correction (Automatic density adjustment)	0: Background peak - fixed 1: Background peak - varied
	8361	8362	8363	8365	Range correction (Manual density adjustment)	

<Procedure>

The procedure is the same as that of  P. 6-71 "6.4.2 Density adjustment".

6.4.7 Fine adjustment of black density

The density of black side on scanned image is adjusted at color-scanning.

<Adjustment Mode (05)>

Code	Original mode	Remarks
8315	Text	The larger the value is, the black side of the image becomes darker. Acceptable values: 0 to 4 (Default: 0)
8316	Printed Image	
8317	Photo	
8371	Custom mode	

Notes:

Be careful for the value not to be too large since the gradation is reproduced worse in darker side.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes and press the [START] button.
- (3) Key in the adjustment values. Acceptable values: 0 to 4. (To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (5) Let the equipment restart and perform the scanning job.
- (6) If the desired image has not been attained, repeat step (1) to (5).

6.4.8 RGB conversion method selection

The color space conversion method of image is decided at color-scanning.

<Adjustment Mode (05)>

Code	Original mode	Remarks
8320	Text	0: sRGB, 1: AppleRGB, 2: ROMMRGB, 3: AdobeRGB (Default: 0)
8321	Printed Image	
8322	Photo	
8372	Custom mode	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes and press the [START] button.
- (3) Key in the adjustment values. Acceptable values: 0 to 3. (To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. → The equipment goes back to the ready state.
- (5) Let the equipment restart and perform the scanning job.
- (6) If the desired image has not been attained, repeat step (1) to (5).

6.4.9 Adjustment of saturation

The brightness of the scanned image is adjusted at color-scanning.

<Adjustment Mode (05)>

Code	Original mode	Remarks
8325	Text	The larger the value is, the brighter the image becomes.
8326	Printed Image	The smaller the value is, the duller the image becomes. Acceptable values: 0 to 255 (Default: 128)
8327	Photo	
8373	Custom mode	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes and press the [START] button.
- (3) Key in the adjustment values. Acceptable values: 0 to 255.
(To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in the memory. → The equipment goes back to the ready state.
- (5) Let the equipment restart and perform the scanning job.
- (6) If the desired image has not been attained, repeat step (1) to (5).

6.4.10 Background processing offset adjustment

The density of background is adjusted.

<Adjustment Mode (05)>

Black			Gray scale	Item to be adjusted	Remarks
Original mode					
Text/ Photo	Photo	Custom mode			
8400	8402	8404	8403	Background density adjustment / Automatic density adjustment	The larger the value is, the lower the density of the image background (low density section) becomes. The smaller the value is, the higher the density of the image background (low density section) becomes.
8405	8407	8409	8408	Background density adjustment / Manual density adjustment	Acceptable values: 0 to 255 (Default: 128)

Color				Item to be adjusted	Remarks
Original mode					
Text	Printed Image	Photo	Custom mode		
8385	8386	8387	8389	Background density adjustment / Automatic density adjustment	The larger the value is, the lower the density of the image background (low density section) becomes. The smaller the value is, the higher the density of the image background (low density section) becomes.
8390	8391	8392	8394	Background density adjustment / Manual density adjustment	Acceptable values: 0 to 255 (Default: 128)

<Procedure>

The procedure is the same as that of  P. 6-71 "6.4.2 Density adjustment".

6.4.11 Adjustment of the capacity and image quality of SlimPDF

The compression quality or the resolution is adjusted to reduce the file capacity of a SlimPDF or improve its quality.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
9104	Compression quality of SlimPDF background processing	The smaller the value, the less the file capacity and the lower the image quality becomes. The larger the value, the greater the file capacity and the higher the image quality becomes. Acceptable values: 0 to 10 (Default: 5)
9107	Resolution of SlimPDF background processing	The smaller the value, the less the file capacity and the lower the image quality becomes. The larger the value, the greater the file capacity and the higher the image quality becomes. 0: 75dpi 1: 100dpi 2: 150dpi 3: 200dpi Acceptable values: 0 to 3 (Default: 1)

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in the codes to be adjusted and press the [START] button.
- (3) Key in the adjustment value. (To correct a value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value in memory. -> The equipment goes back to the ready state.
- (5) Let the equipment restart. Acquire the SlimPDF file and check it.
- (6) If the desired image quality has not been attained, repeat step (1) to (5).

6.4.12 Surrounding void amount adjustment

The void amount around the network scanned image is adjusted.

In network scanning, since the void amount is very small in stored images, a shadow may appear around the scanned image due to the subtle difference in the original sizes. This shadow can be eliminated by adjusting the setting value.

The setting value is applied to all resolutions and color modes.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
7489	Surrounding void amount adjustment	When the value increases, the blank area around the scanned image becomes wider, and the data on the image decrease. Acceptable values: 0 to 255 (Default: 0) The setting value "1" is equal to 1 dot with 600 dpi. (The value "24" is equal to approx. 1 mm.)

<Procedure>

The procedure is the same as that of  P. 6-71 "6.4.2 Density adjustment".

6.4.13 ADF noise reduction (Scanning Function)

The noise reduction level for streaks can be adjusted with the following codes when a scan job is performed using the ADF while its scan noise reduction function is set to enable (*).

* When [LOW], [MIDDLE] or [HIGH] is selected in the [ADMIN] tab of the [USER FUNCTIONS] menu, or when "0", "1" or "2" is selected in 08-8300.

<Adjustment Mode (05)>

Color				Item to be adjusted	Remarks
Original mode					
Text	Printed Image	Photo	Custom mode		
8414	8415	8416	8412	ADF noise reduction	When the value decreases, the effect of reducing streaks becomes larger. When the value increases, the effect of reducing streaks becomes smaller. When "0" is set, this function is disabled. Acceptable values: 0 to 200 (Default: 100)

Black				Gray scale	Item to be adjusted	Remarks
Original mode						
Text/ Photo	Text	Photo	Custom mode			
7401	7402	7403	7400	7404	ADF noise reduction	When the value decreases, the effect of reducing streaks becomes larger. When the value increases, the effect of reducing streaks becomes smaller. When "0" is set, this function is disabled. Acceptable values: 0 to 200 (Default: 100)

Notes:

- Remember the image specifications and life span of the replacing parts may not meet the standard when the setting value is changed from the default value.
- If too small a value is set, the text may not be printed clearly.

<Procedure>

The procedure is the same as that of  P. 6-71 "6.4.2 Density adjustment".

6.5 Image Quality Adjustment (FAX Function)

6.5.1 Density adjustment

The center density and the density variation controlled by density adjustment keys can be adjusted as follows.

<Adjustment Mode (05)>

Color mode	Original mode			Item to be adjusted	Remarks
	Text/Photo	Text *	Photo		
Black	7533	7534	7535	Manual density center value	The larger the value is, the darker the image becomes. Acceptable values: 0 to 255 (Default: 128)
	7542	-	7543	Automatic density mode	

* Since the gradation in this mode is reproduced in a binary image (black and white), this adjustment should be a simple binary threshold adjustment.

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in an adjustment value.
(To correct the value once keyed in, press the [CLEAR] button.)
- (4) Press the [OK] or [INTERRUPT] button to store the value. → The equipment goes back to the ready state.
- (5) Turn the power OFF.

<Confirmation>

If possible, perform a Fax transmission and check the adjusted density with the image on the recipient's side.

6.5.2 Beam level conversion setting

A beam level for smoothing process (divided into 4) in the fax function can be set. In this setting the size of dots is adjusted.

<Adjustment Mode (05)>

Code	Item to be adjusted	Remarks
7594-0	Beam level 0/4	The smaller the value is, the smaller the beam width becomes. Therefore, the smaller dot is reproduced accordingly. Acceptable values: 0 to 255 e-STUDIO5540C/6540C/6550C (Default: Level 0/4: 0, Level 1/4: 63, Level 2/4: 127, Level 3/4: 191, Level 4/4: 255) e-STUDIO5560C/6560C/6570C (Default: Level 0/4: 0, Level 1/4: 31, Level 2/4: 63, Level 3/4: 127, Level 4/4: 230)
7594-1	Beam level 1/4	
7594-2	Beam level 2/4	
7594-3	Beam level 3/4	
7594-4	Beam level 4/4	

<Procedure>

- (1) While pressing [0] and [5] simultaneously, turn the power ON.
- (2) Key in a code and press the [START] button.
- (3) Key in a sub-code and press the [START] button.
- (4) Key in an adjustment value.
(To correct a value once keyed in, press the [CLEAR] button.)
- (5) Press the [OK] or [INTERRUPT] button to store the value. → The equipment goes back to the ready state.
- (6) Take the POWER OFF.

<Confirmation>

Check the beam level conversion setting with the actual fax data received, if possible.

Notes:

1. The setting value must increase as the beam level number (0 to 4) becomes higher. Do not increase this order when setting the values.
2. Usually, beam level 4 / 4 is most effective on black mode.

6.6 Scanner

6.6.1 Adjustment carriages-1 and -2 positions

- (1) Take off the RADF.
📖 P. 4-256"4.11.1 RADF"
- (2) Take off the original glass.
📖 P. 4-15"4.3.1 Original glass"
- (3) Take off the top right cover.
📖 P. 4-2"4.1.3 Top right cover"
- (4) Take off the top rear cover.
📖 P. 4-7"4.1.20 Top rear cover"
- (5) Move the carriage-2 toward the exit side.

Notes:

- Rotate the drive pulley to move the carriage.
- (6) Loosen the screws fixing the front side pulley bracket, make the sections A and B of the carriage-2 touch with the inside of the exit side frame and screw them up.

Notes:

Make sure that the sections A and B of the carriage-2 touch with the exit side frame.

- (7) Put carriage-1 on the rail. Then make sections C and D of carriage-1 touch the inside of the exit side frame and tighten the front and rear sides of the bracket with the screws.

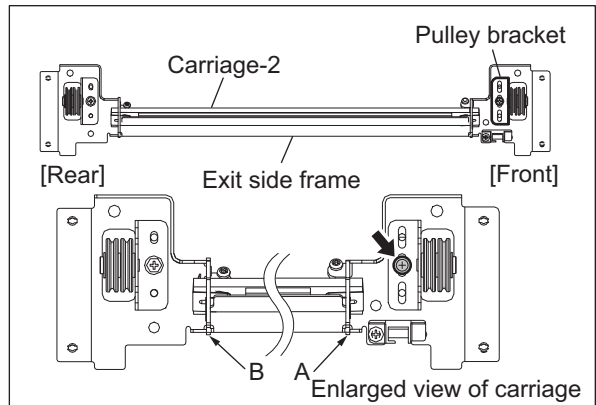


Fig.6-26

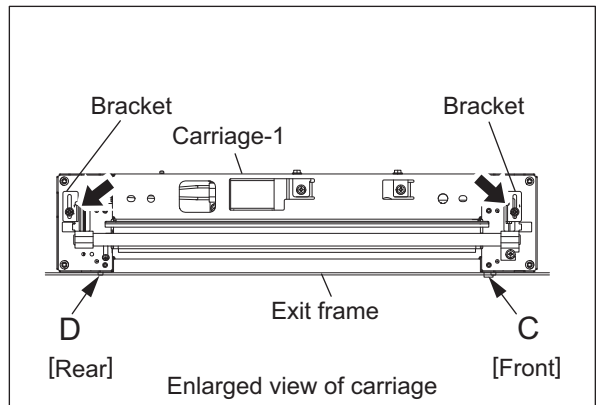


Fig.6-27

6.6.2 Belt tension adjustment of the Scan motor

- (1) Hook the belt tension jig to the motor bracket and the frame.
- (2) Loosen screw-A and -C. (There is no need to loosen screw-B, since it is a shoulder screw.)
- (3) The scan motor is pulled by the belt tension jig. Fix screw-A and then -C at the stopped position.
- (4) Remove the belt tension jig.

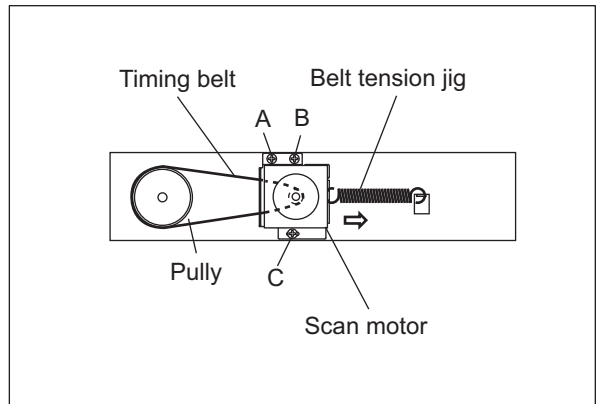


Fig.6-28

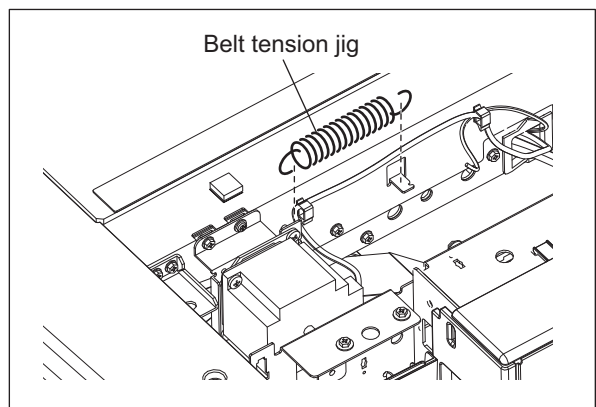


Fig.6-29

6.7 Paper Feeding System

Adjust the position of the sensor in the code 05-9092 within the adjustment values from 460+/-100.

6.7.1 Adjustment of the media sensor position

<Procedure>

- Remove 1 screw and take off the SFB lower cover.

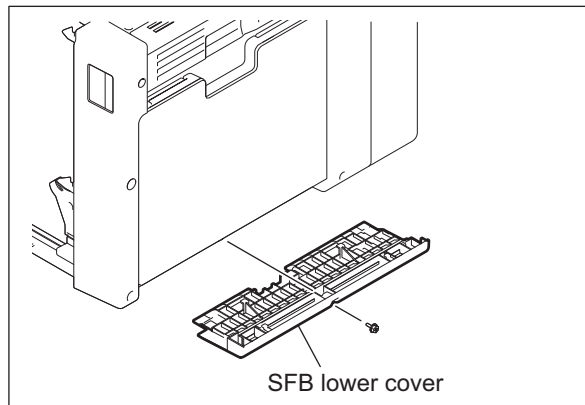


Fig.6-30

- Turn the power of this equipment ON while pressing [0] and [5] simultaneously. Then perform the code 9092.

Turn a screw to make the displayed adjustment value fall within the range from 460+/-100.

The value increases to approx. 160 by turning the screw 360 degrees clockwise.

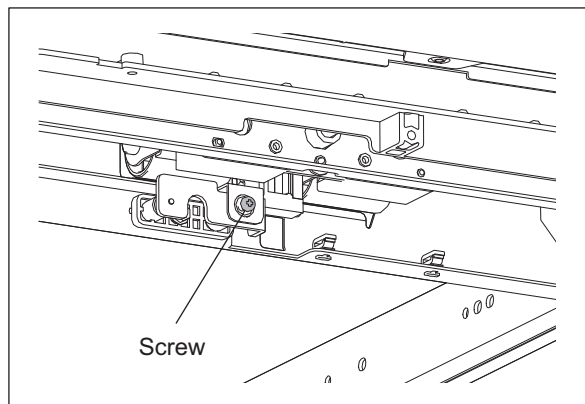


Fig.6-31

6.7.2 Separation roller pressure force adjustment

In some cases the life of the separation roller may be shortened or paper jams and multiple feeding (EB50) may occur regardless of the operation frequency of the equipment. This comes from the weight or edge status of paper used and the amount of paper dust.

Generally paper jams and multiple feeding often occur as the life end of the roller approaches.

However, if they often occur even though its life has not yet reached its replacement timing, or if the life end comes much earlier than the scheduled replacement timing, the jams and multiple feeding can be suppressed by adjusting the pressure force of the separation roller.

In this method, however, when the roller life becomes longer, jams and multiple feeding may occur frequently, and when the jams and multiple feeding are suppressed, the roller life may become shorter. Therefore, perform this adjustment while checking the status carefully, and if necessary, give a sufficient explanation to users.

[1] Adjustment procedure of the drawer feeding unit

- (1) Take off the drawer feeding unit.
📖 P. 4-55"4.5.14 Drawer feeding unit"

- (2) Remove 1 screw, and then screw it temporarily to an oblong hole located next to it.

Notes:

Make a mark for the installation position of the bracket in advance.

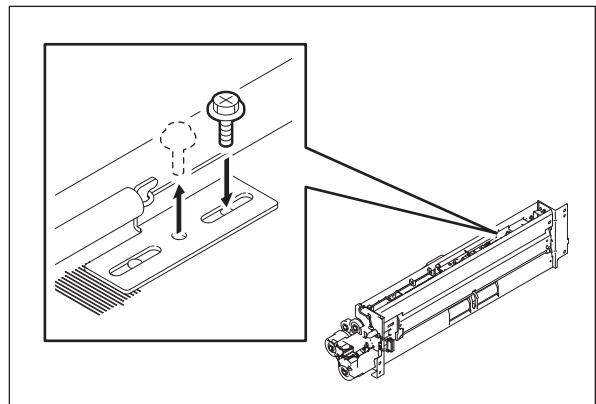


Fig.6-32

- (3) Move the bracket.
Move to the direction A: The roller life will become longer (but multiple feeding may occur frequently).
Move to the direction B: Multiple feeding will be suppressed (but the roller life may become shorter).

Notes:

The recommended moving distance of the bracket is within 2 or 3 scale marks.

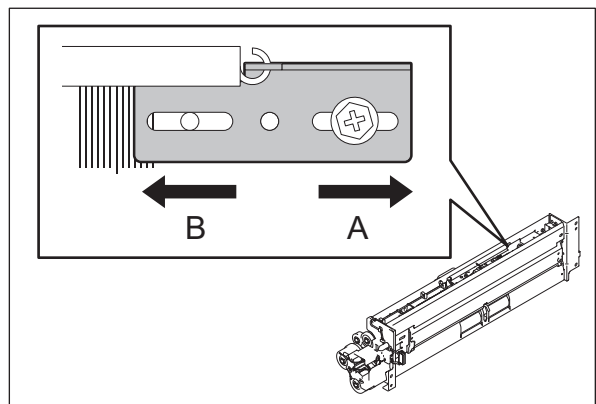


Fig.6-33

- (4) Tighten the screw that was temporarily screwed.

Notes:

In this step check the film attached before the separation roller because the roller life may become shorter if this film is scraped and worn.

Reference value of distance C (from the edge of the plate to that of the film): 7.0 ± 0.2 mm

* If the distance C is 6.5 mm or shorter, the film must be replaced.

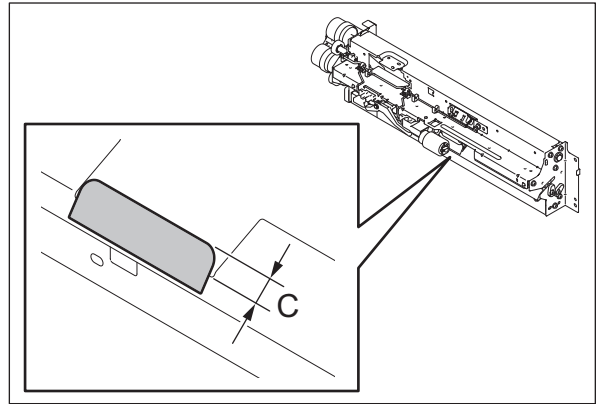


Fig.6-34

[2] Adjustment procedure of the bypass feed unit

- (1) Take off the bypass feed tray.
 P. 4-45"4.5.1 Bypass feed tray"
- (2) Remove 1 screw and take off the bracket [1].

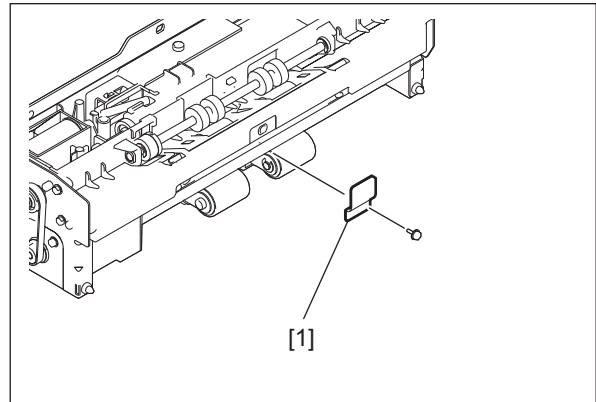


Fig.6-35

- (3) Remove 4 screws and take off the SFB lower unit [1].

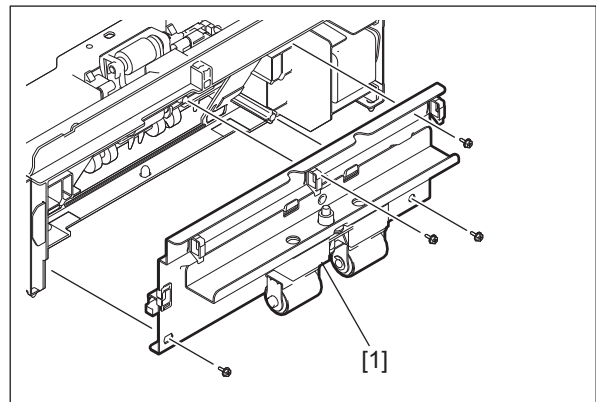


Fig.6-36

- (4) Disconnect 1 connector, remove 2 screws and take off the SFB lower guide [1].

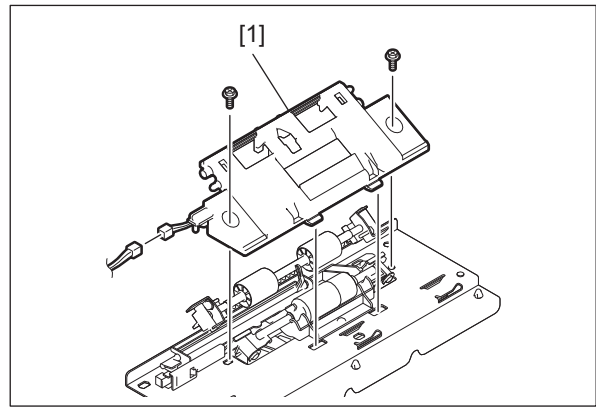


Fig.6-37

- (5) Remove 1 screw from the round hole of the front side bracket [1], and screw it temporarily to an oblong hole.

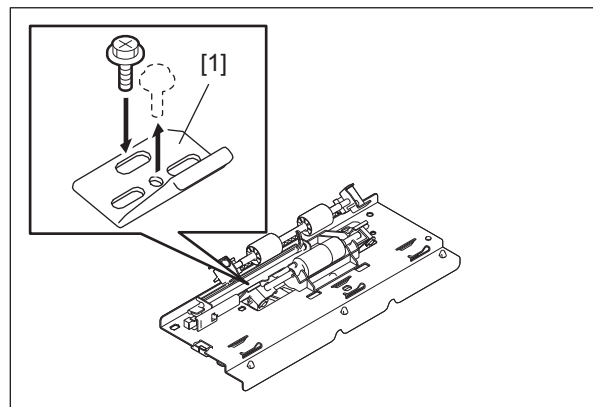


Fig.6-38

- (6) Move the front side bracket [1].
 Move to the direction A: The roller life will become longer (but multiple feeding may occur frequently).
 Move to the direction B: Multiple feeding will be suppressed (but the roller life may become shorter).

Notes:

The recommended moving distance of the bracket is within 1 or 2 scale marks.

- (7) Tighten the screw that was temporarily screwed.

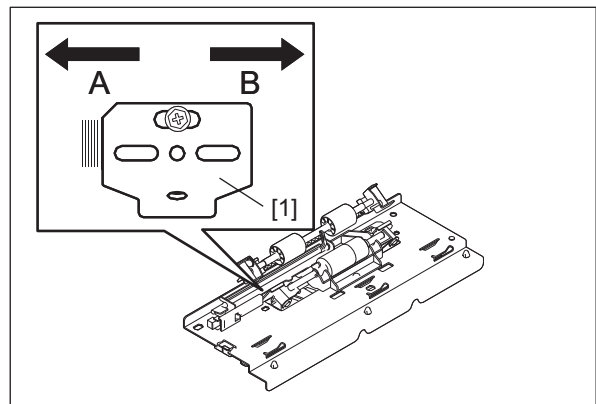


Fig.6-39

* If the roller life is not improved or the multiple feeding is not suppressed with the adjustment in step (6), perform the following procedure in steps (8) through (10).

- (8) Remove 1 screw from the round hole of the rear side bracket [1], and screw it temporarily to an oblong hole.

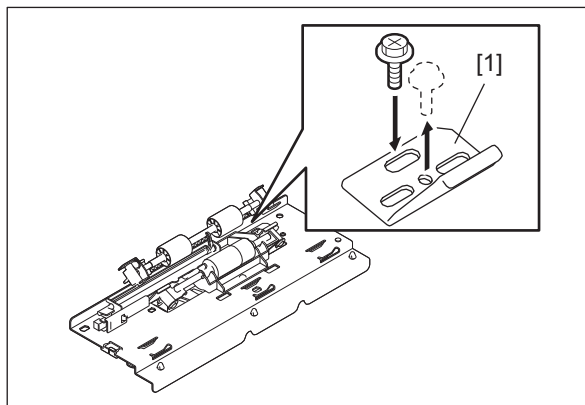


Fig.6-40

- (9) Move the rear side bracket [1].
Move to the direction A: The roller life will become longer (but multiple feeding may occur frequently).
Move to the direction B: Multiple feeding will be suppressed (but the roller life may become shorter).

Notes:

The recommended moving distance of the bracket is within 1 or 2 scale marks.

- (10) Tighten the screw that was temporarily screwed.

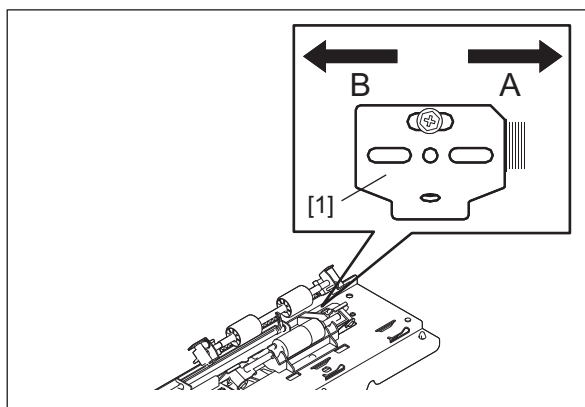


Fig.6-41

6.7.3 Sheet sideways deviation caused by paper transporting adjustment

If paper folding at the leading edge or a paper jam occurs due to sideways deviation of the paper transport, perform adjustment of the paper transport position.

Also, when paper of a 330 mm width is transported from the bypass tray, stripe images may appear on one side. In that case, adjust the paper transport position in the direction where the stripe images disappear.

Notes:

- When the paper transport position has been adjusted, perform adjustment of the laser writing start position.
- Perform adjustment of the laser writing start position in order to adjust sideways deviation of the image and paper. (Do not perform adjustment of the paper transport position for this purpose.)

<Procedure>

[A] Removal of the drawer paper tray

- (1) Take off the drawer.
- (2) Adjust the side guides to the size of LG/LT-R.

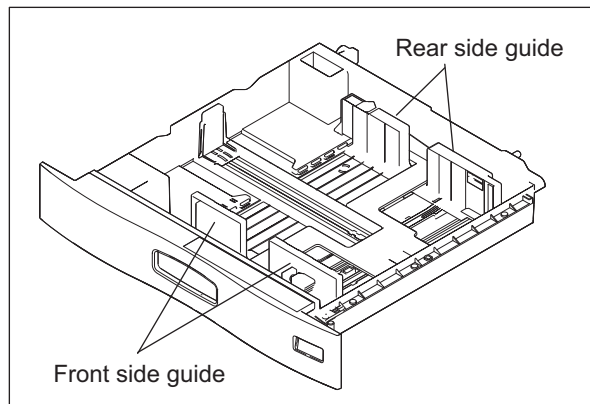


Fig.6-42

- (3) Lift up the drawer paper tray.
- (4) Take off the drawer tray upward by releasing it from a stopper on the front side.

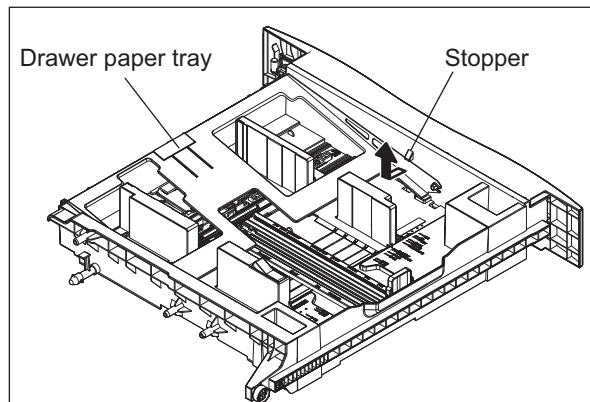


Fig.6-43

[B] Adjustment of the gear holder

- (1) Rotate 2 screws fixing the gear holder about half a turn to loosen it.
- (2) Move the rear side guide to the front and rear sides while slightly lifting up the gear holder so that it can be moved.
- (3) Move the gear holder matching with the scales, and tighten the screw. (Be sure that the teeth of the gear are securely engaged when you are moving the gear holder.)

* The paper transport position is moved the same amount and direction as the gear holder.

* The acceptable moving amount is from -3 mm to +3 mm, in increments of 1 mm.

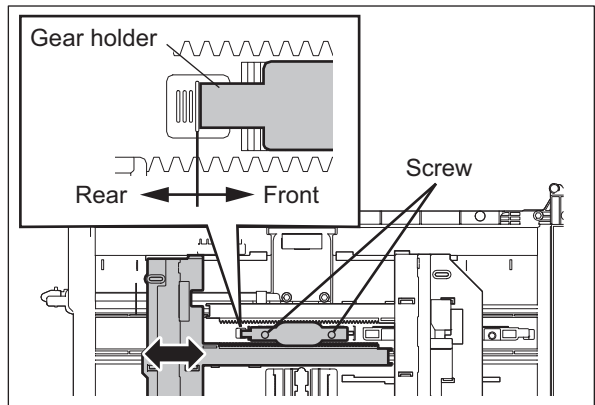


Fig.6-44

[C] Adjustment of the rear side guide

- (1) Adjust the end guide to the size of A4-R.
- (2) Rotate the screw fixing the side guide adjustment piece about half a turn to loosen it.
- (3) Move the side guide adjustment piece the same amount as the paper transport position and in the opposite direction to the one of the paper transport position, and then fix it with a screw.

* For example, if you move the paper transport position to the rear side by 1 mm, you must move the side guide adjustment piece to the front side by 1 mm and fix it.

* If you move the paper transport position to the front side by 1 mm, you must move the side guide adjustment piece to the rear side by 1 mm and fix it.

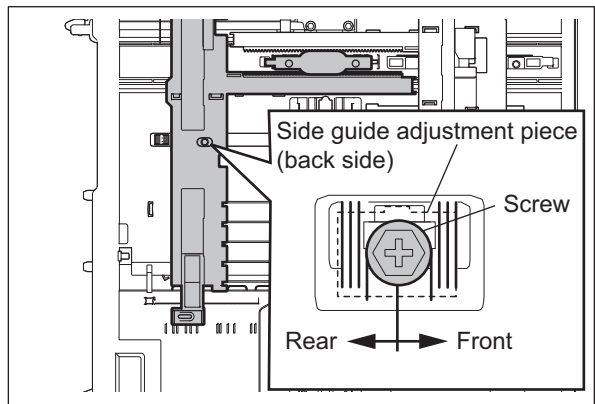


Fig.6-45

Notes:

1. Be sure that the moving amount of the gear holder and the side guide adjustment piece is the same. If it is different, it could cause a drawer automatic size detection defect.
2. Do not tighten the screw too much. The side guide adjustment piece could disengage the groove, making correct adjustment impossible.

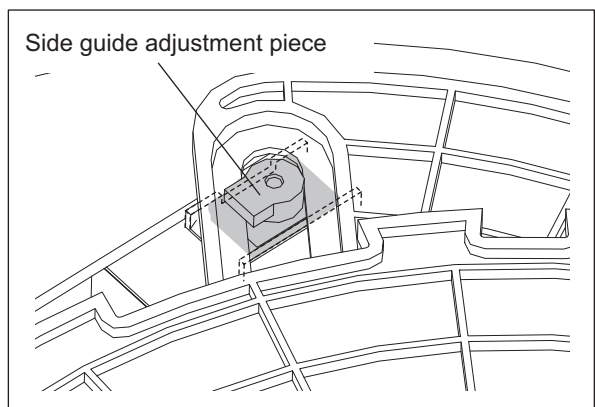


Fig.6-46

* Table of the adjustment combination of the gear holder and the side guide adjustment piece

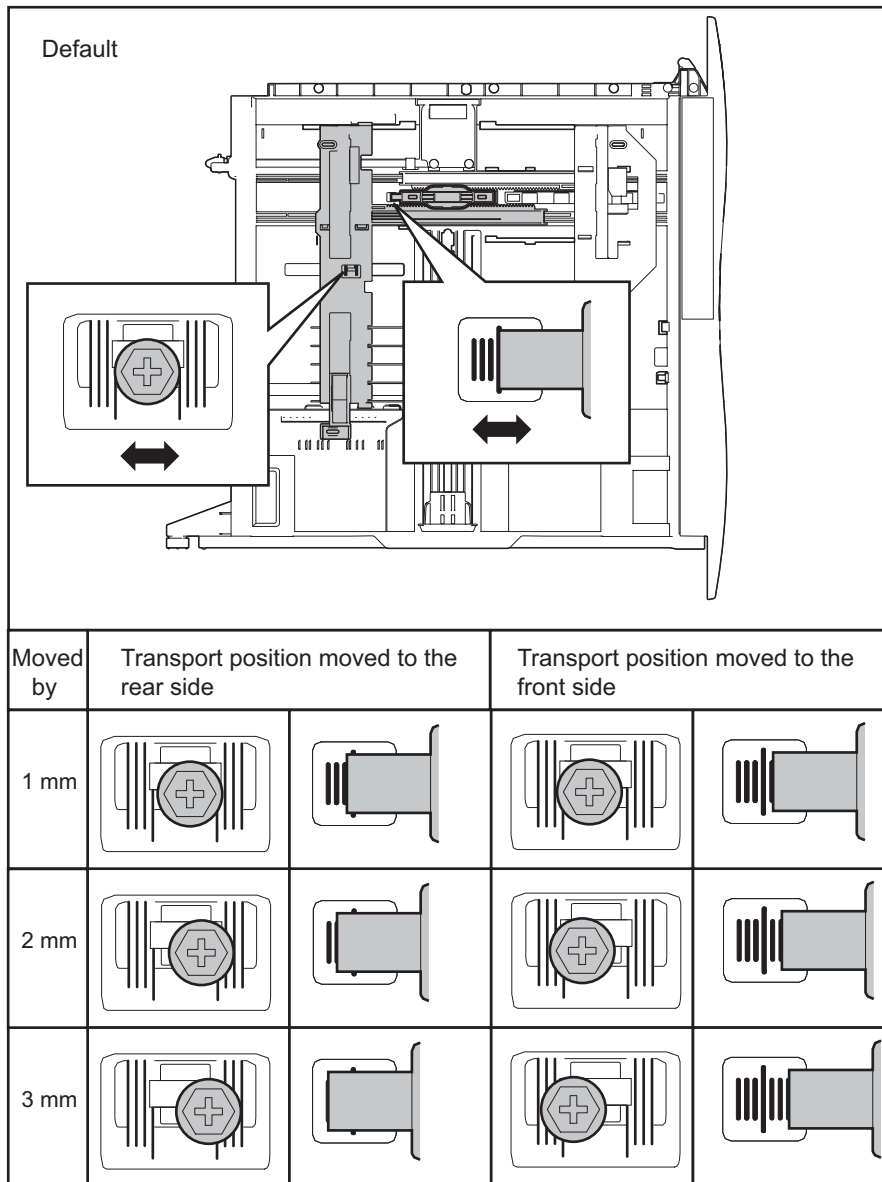


Fig.6-47

<In the case of bypass feeding>

- (1) Move the side guides halfway to the center.
- (2) Loosen 1 screw.
- (3) Move the rear side guide to the front or rear side.
* The position of the screw is adjustable within the diameter of the long screw hole; from - 3 mm to + 3 mm.
- (4) Fix the 1 screw.

Notes:

The paper transport position is moved the same amount and direction as the side guide.

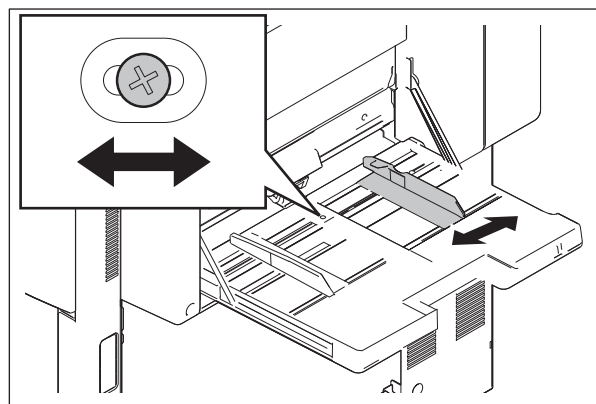


Fig.6-48

6.7.4 Adjusting the clearance of the paper and side guides

If the clearance between the paper and the side guides is too wide, it can be adjusted to between 0 and 1 mm (the clearance between the paper and the guides is 1 to 2 mm (including both front and rear sides))

<Procedure>

- (1) Take off the drawer.
- (2) Lift up the paper tray and let it run up onto the stopper in the front of the drawer. Then lift it up further to remove it.

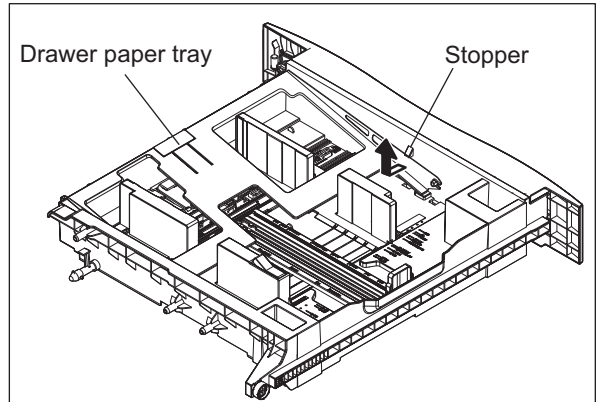


Fig.6-49

- (3) Set the side guide to the 12 inch mark.

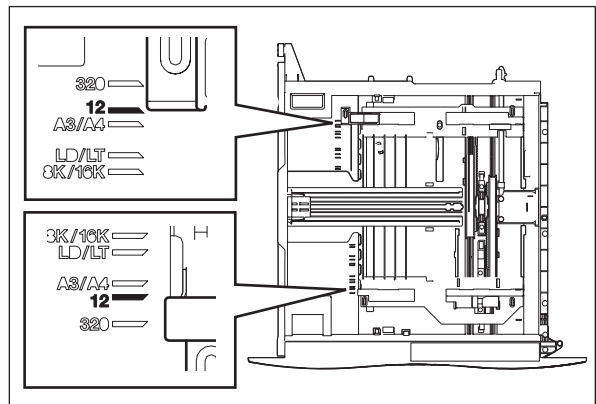


Fig.6-50

- (4) Loosen 2 screws.
- (5) Move the side guide adjustment piece to the rear and tighten the screws (by 0.5 mm).

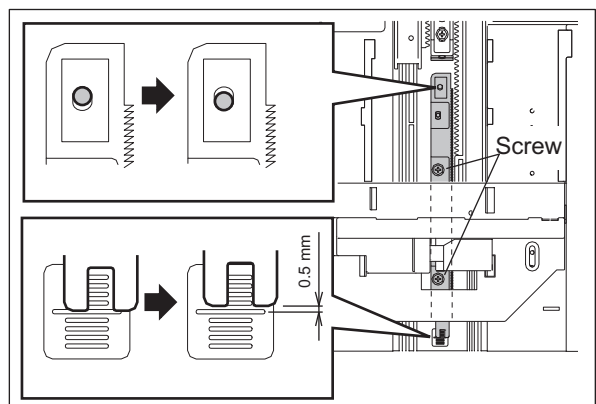


Fig.6-51

6.8 Process Unit Related Section

6.8.1 High-Voltage Transformer Setting

The high-voltage transformers supply high-voltage to the parts related to charging, development, transfer and Discharging blade.

The high-voltage transformer has the following high-voltage outputs.


Out1	1	Main charger needle electrode cleaner bias (Y)
	2	Main charger needle electrode cleaner bias (M)
	3	Main charger needle electrode cleaner bias (C)
	4	Main charger needle electrode cleaner bias (K)
Out2	1	Main charger grid bias (Y)
	2	Main charger grid bias (M)
	3	Main charger grid bias (C)
	4	Main charger grid bias (K)
Out3	1	Developer bias (Y)
	2	Developer bias (M)
	3	Developer bias (C)
	4	Developer bias (K)
Out4	1	1st transfer roller bias (Y)
	2	1st transfer roller bias (M)
	3	1st transfer roller bias (C)
	4	1st transfer roller bias (K)
Out5	-	2nd transfer roller bias

Notes:

Never move the variable resistance on the board since the output adjustment has been performed at the shipment for the high-voltage transformer supplied as a service part. Also do not perform the setting change when the high-voltage power supply is replaced.

6.8.2 Adjustment of the Auto-Toner Sensor

When the developer material is replaced, adjust the auto-toner sensor in the following procedure.

 P. 6-2"6.1.2 Adjustment of the Auto-Toner Sensor"

6.8.3 Adjustment of the doctor-sleeve gap

For the adjustment of the doctor-sleeve gap, perform the same procedure for the Y, M, C and K developer units.

Adjustment tool to use: Doctor-sleeve gap jig

<Adjustment procedure>

- (1) Take off the developer unit from the equipment.
- (2) Discharge the developer material.
- (3) Loosen 2 doctor blade fixing screws. Insert the gauge "0.65" of the doctor sleeve jig between the developer sleeve and doctor blade (3 points) to adjust the gap, and tighten the screws.

Adjustment standard: 0.65 +/- 0.05mm

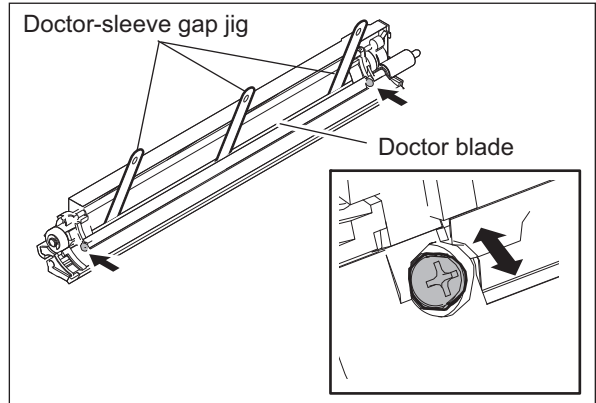


Fig.6-52

Notes:

1. Flip up the protection sheet for the doctor blade from the sleeve before inserting the gauge. Also, be sure not to damage the protection sheet.

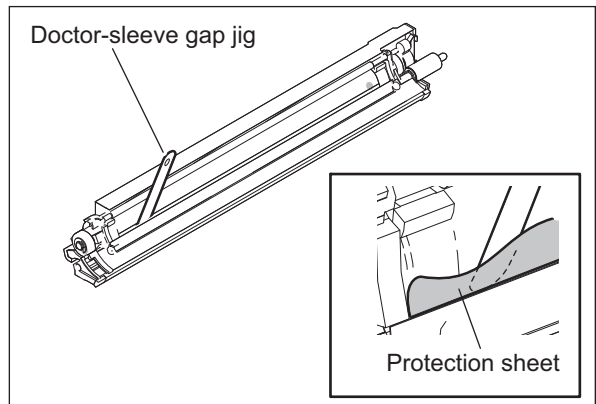


Fig.6-53

2. When confirming and adjusting the gap between the developer sleeve and the doctor blade, insert the gauges into the gap after rotating the developer sleeve so that its marking faces the doctor blade.

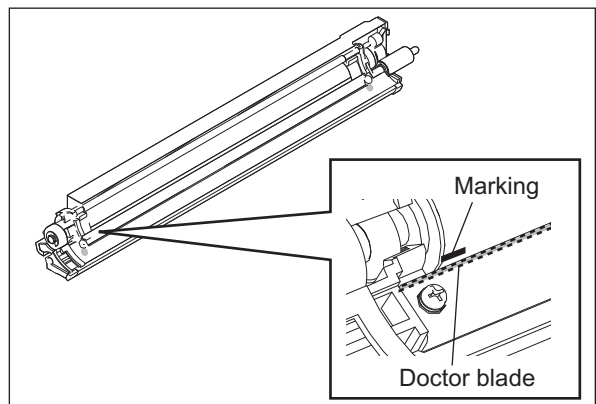


Fig.6-54

- (4) Insert the gauge “0.60” of the doctor-sleeve jig into the gap between the developer sleeve and the doctor blade and make sure that the gauge can move smoothly in the front/rear direction. In addition, confirm that the gauge “0.70” cannot be inserted into the gap.

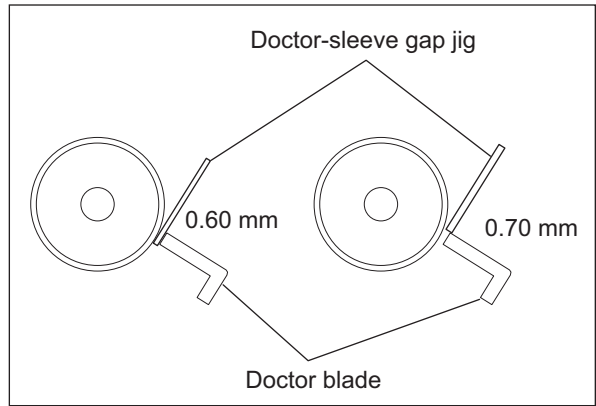


Fig.6-55

6.9 Transfer Unit

6.9.1 Adjustment of the degree of the transfer belt unit parallelization

By default, the position of the transfer belt unit has been adjusted using the lever assembly bracket in order to regulate the parallelization between the unit and the registration roller.

Therefore, when the transfer belt unit or the lever assembly has been replaced, make sure it is aligned with the position before the replacement.

<Checking method>

Check the position of the lever assembly bracket of the transfer belt unit currently installed

The bracket can be assembled in the following three positions

1. Normal position
2. Pushed to the upper end (Rotate the bracket a half turn.)
3. Pushed to the lower end (Rotate the bracket a half turn.)

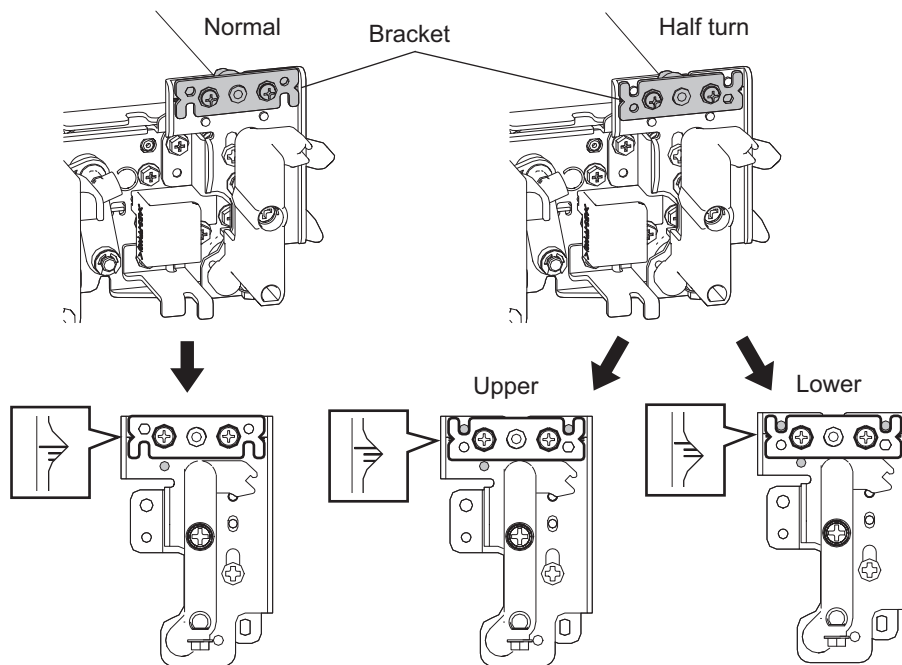


Fig.6-56

Adjustment is not needed when the bracket position of the new unit or assembly is the same as that of the unit before the replacement.

When the bracket position of the new unit or assembly is the same as that of the new one, align the bracket to the installation position before the replacement.

<Changing procedure of the bracket position>

When the cut-out portion of the bracket before the replacement is facing downward

Remove 2 screws from the transfer belt unit to be replaced and rotate the bracket a half turn

Align the bracket in the position the same as that before the replacement (pushed to the upper/lower end) and fix it with 2 screws.

6.10 Image Quality Control

6.10.1 Performing Image Quality Control

(1) When unpacking

Prior to image dimensional adjustment, perform the "Automatic initialization of image quality control (05-2742)" procedure.

📖 P. 6-4"6.1.3 Performing Image Quality Control"

6.11 Fuser Unit

When PM parts were replaced at a PM timing or in any other case these parts were removed or replaced, the gap adjustment described in this section is required.

6.11.1 Gap adjustment for fuser belt thermostats

When any of the parts shown below was replaced or removed, check the gap between the fuser belt thermostat and the fuser belt, and then adjust it if required.

- Fuser roller
- Fuser belt
- Heat pipe roller
- Fuser belt thermostat

Notes:

- Wait until the fuser unit has completely cooled down, and then start the adjustment.
- Place the fuser unit on a flat surface, confirming that its 4 legs are securely grounded.
- Measure the gap while pressure is being applied to the pressure roller with the spring force. At this time be sure that the pressure screw is securely tightened so that it will no longer be turned.
- Be sure not to damage the fuser belt with the gap confirmation jig.
- Adjust the gap while the pressure roller is released from the fuser belt.
- If the fuser unit is not installed to the equipment after the replacement or adjustment but must be stored as a unit for a long time, be sure to leave the pressure roller released from the fuser belt.

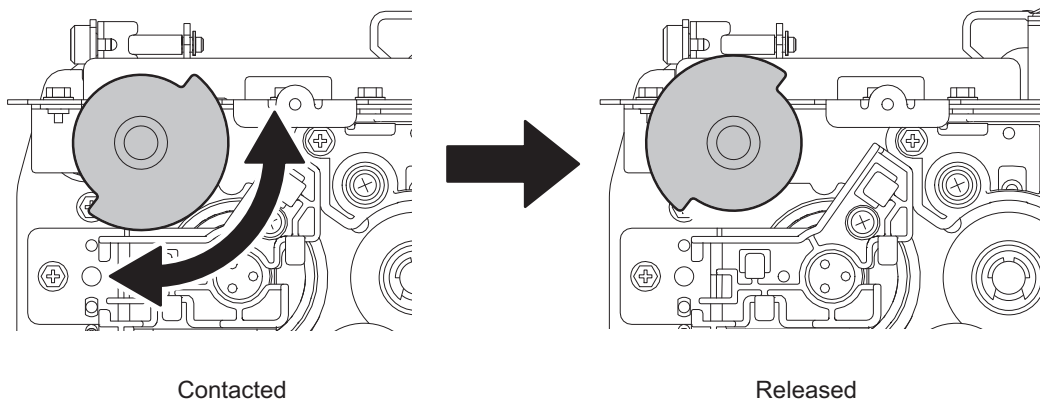


Fig.6-57

Gap to be confirmed

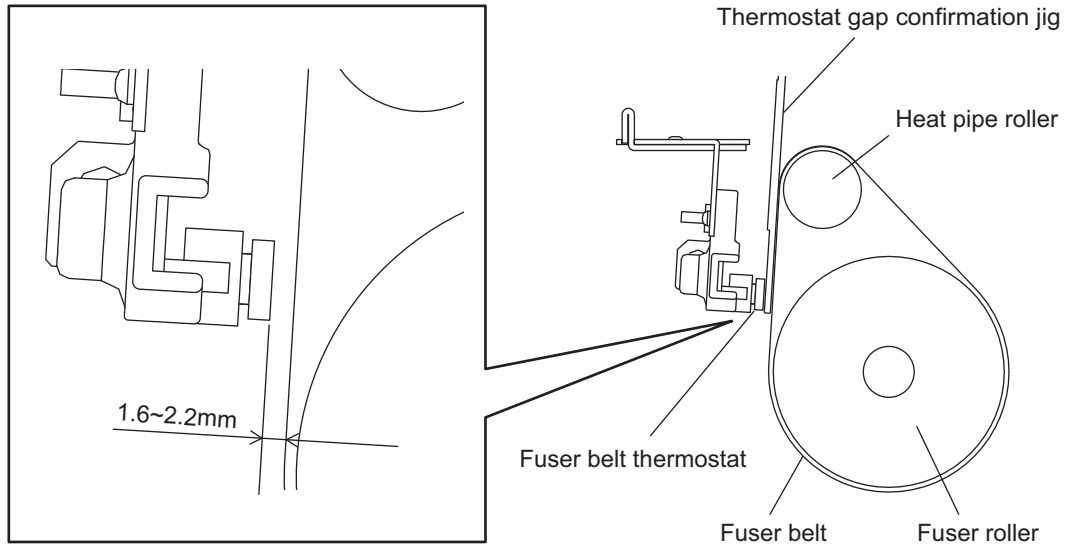


Fig.6-58

Gap confirmation jig

- Thermostat gap confirmation jig (JIG-FU-THRMST-BP)

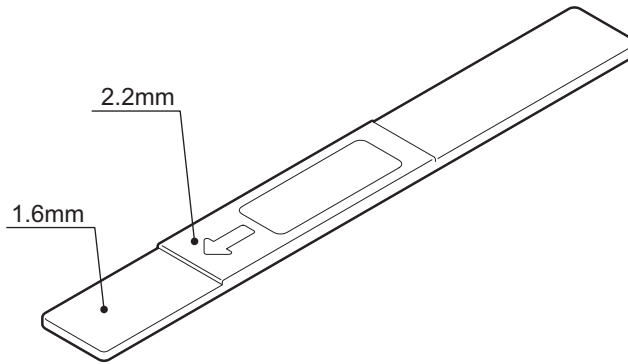


Fig.6-59

<Adjustment procedure>

Notes:

- When the fuser belt was replaced with a new one, turn the gear by hand for 2 or 3 rotations until the new belt works smoothly.

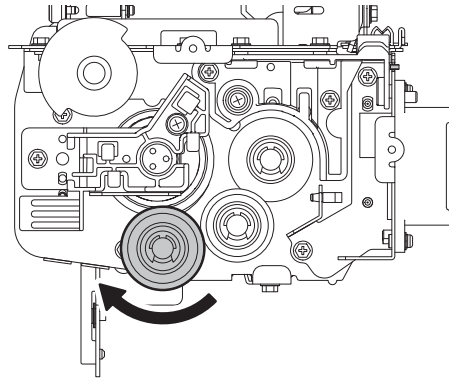
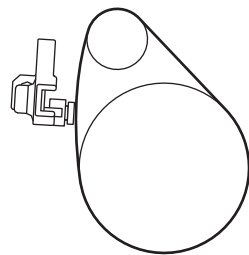
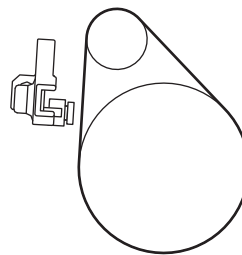


Fig.6-60

- When the fuser belt was not replaced, do not turn the belt before you start the gap adjustment. When the fuser belt is heated and then cooled down, it has a slack where the heat pipe roller rolls up the belt. When this slack is moved away from the heat pipe roller, it makes the gap adjustment incorrect.



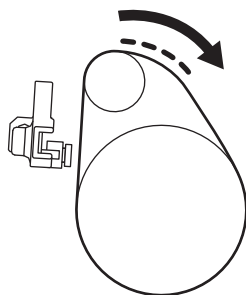
The slack of the fuser belt is not on the heat pipe roller.



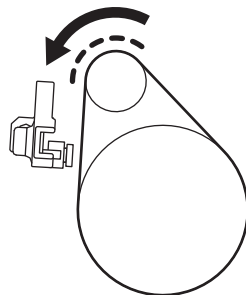
The slack of the fuser belt is on the heat pipe roller.

Fig.6-61

- If you turned the belt before the gap adjustment by mistake, follow the procedure below to move the slack back to the position where the heat pipe roller rolls up the belt. Loosen the pressure screw to remove the spring so that the pressure roller will not be pressed. Then rotate the gear to turn the belt so that a heavy load is applied on the rotation of the gear when the slack on the fuser belt passes over the heat pipe roller. At this time release your hand so that the slack comes at the position where the heat pipe roller rolls up the belt. It is easier when you check from the side if the slack has come at an appropriate position.



Load on the gear becomes heavier.



The slack of the fuser belt is aligned with the heat pipe roller.

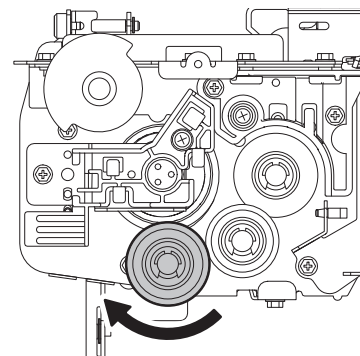


Fig.6-62

- (1) Take off the transport guide-2 from the fuser unit.
 P. 4-174"4.9.4 Transport guide-2"
- (2) Insert the thermostat gap confirmation jig [1] at 1 point; the gap between the fuser belt thermostat and the fuser belt. Insert it parallel to the thermostat surface.
- (3) Confirm that the 1.6 mm section of the jig is inserted without touching, but its 2.2 mm section makes contact. If this condition is met, end the procedure because no adjustment is needed. If it is not, go to step (4).
- (4) Change the position of the screw of the bracket in the thermostat from (A) to (B), and leave the screw loosened.
- (5) Adjust the position of the bracket by moving it up or down while you are screwing until you can insert the 1.6 mm section of the jig without touching, but its 2.2 mm section contacts the thermostat surface.
- (6) End the procedure when the statuses of point meet the condition above.

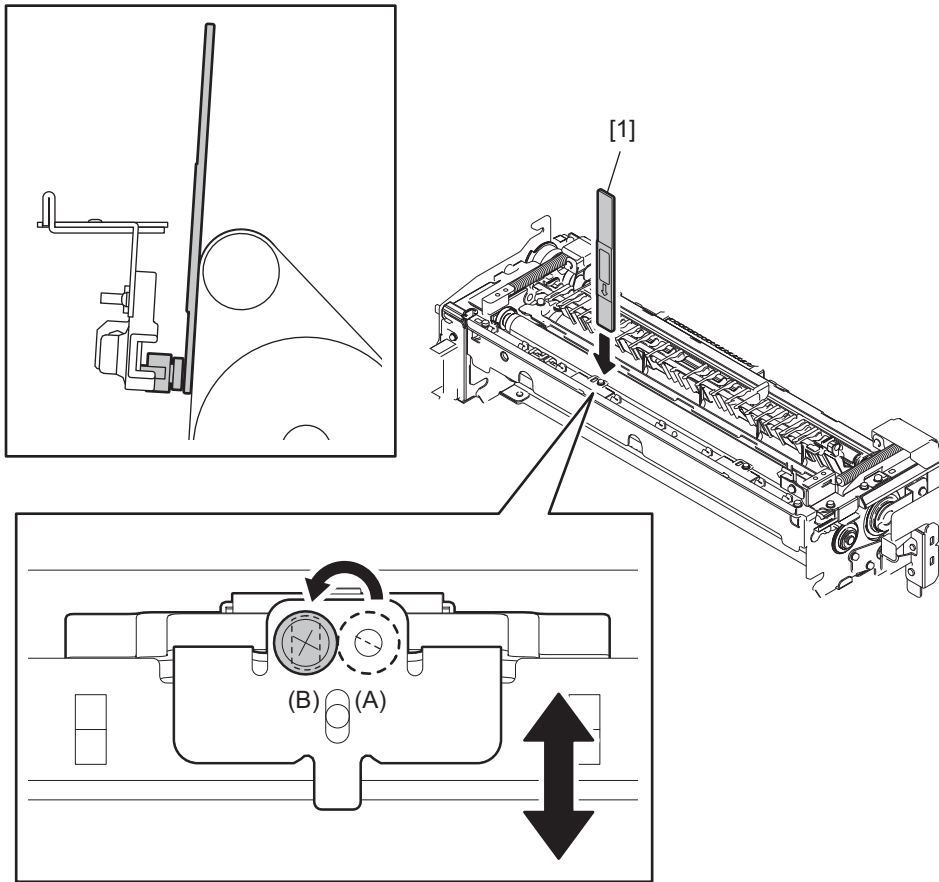


Fig.6-63

6.11.2 Gap adjustment for pressure roller thermistors

When any of the parts shown below was replaced or removed, check the gap between the pressure roller thermistor and the pressure roller, and then adjust it if required.

- Pressure roller
- Pressure roller thermistor (center/side)

Notes:

- Wait until the fuser unit is completely cooled down, and then start the adjustment.
- Place the fuser unit on a flat surface, confirming that its 4 legs are securely grounded.
- Measure the gap while pressure is being applied to the pressure roller with the spring force. At this time be sure that the pressure screw is securely tightened so that it will no longer be turned.
- Be sure not to damage the pressure roller and the pressure roller thermistors with the gap confirmation jig.
- Adjust the gap while the pressure roller is released from the fuser belt.
- If the fuser unit is not installed to the equipment after the replacement or adjustment but must be stored as a unit for a long time, be sure to leave the pressure roller released from the fuser belt.

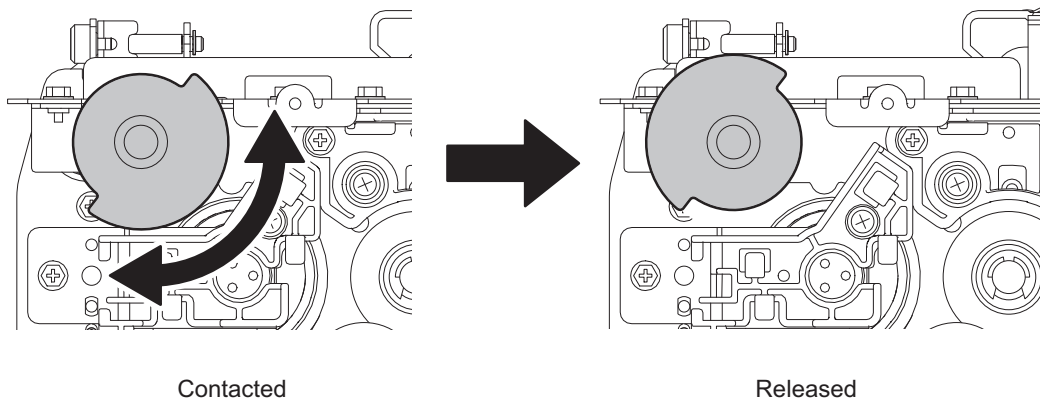


Fig.6-64

Gap to be confirmed

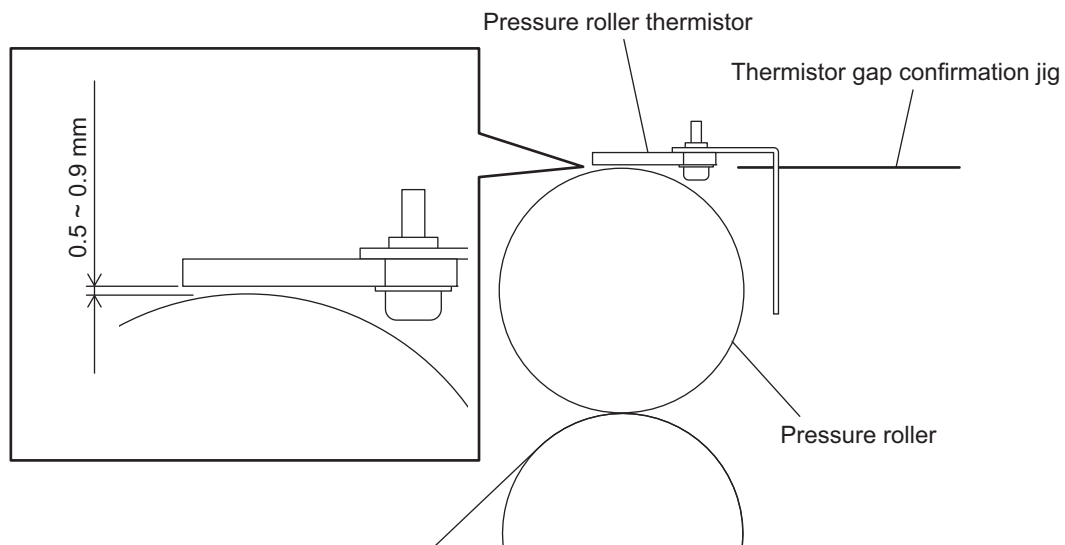


Fig.6-65

Gap confirmation jig

- Thermistor gap confirmation jig (ASYB-JIG-THRMIS-BP)

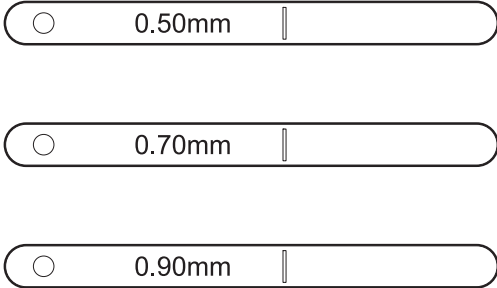


Fig.6-66

<Adjustment procedure>

- (1) Take off the pressure roller cover from the fuser unit.
📖 P. 4-173"4.9.2 Pressure roller cover"
- (2) Take off the entrance guide.
📖 P. 4-175"4.9.5 Entrance guide cover"
- (3) Loosen the adjustment screw [1] on the bracket of each thermistor. Then insert the 0.70 mm-thermistor gap confirmation jig [2] at 2 points; the gap between the pressure roller center thermistor and the pressure roller, and the gap between the pressure roller side thermistor and the pressure roller. Insert it parallel to the thermistor surface. Then adjust the position of the bracket [3] by moving it up or down and then fix the adjustment screw.
- (4) Confirm that the 0.50 mm-thermistor gap confirmation jig is inserted without touching, but the 0.90 mm-jig contacts the thermistor surface. If this condition is met, end the procedure because no adjustment is needed. If it is not, repeat the procedure from step (3).

Notes:

Adjust the scale mark [4] of the jig to the position shown below. If not, it makes the gap adjustment incorrect.

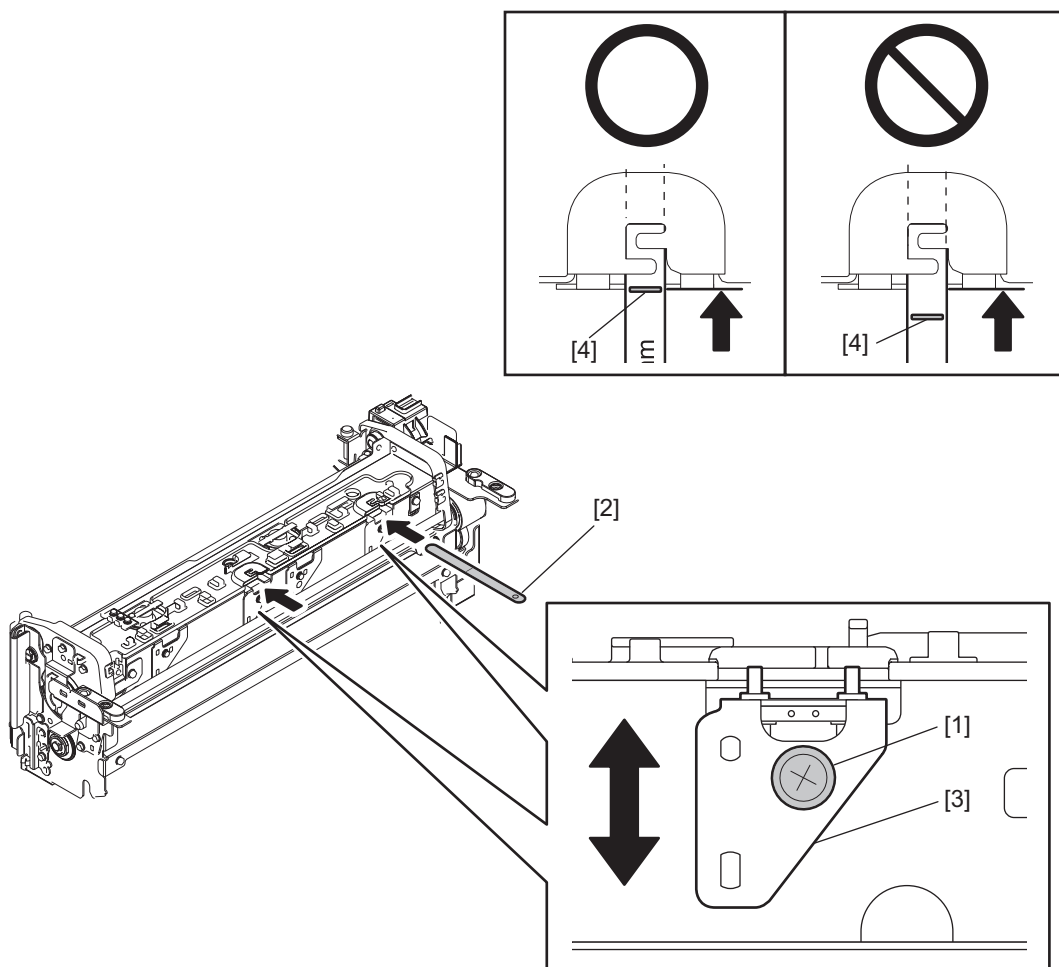


Fig.6-67

6.11.3 Gap adjustment for pressure roller thermostats

When any of the parts shown below was replaced or removed, check the gap between the pressure roller thermostat and the pressure roller, and then adjust it if required.

- Pressure roller
- Pressure roller thermostat (center/side)

Notes:

- Wait until the fuser unit is completely cooled down, and then start the adjustment.
- Place the fuser unit on a flat surface, confirming that its 4 legs are securely grounded.
- Measure the gap while pressure is being applied to the pressure roller with the spring force. At this time be sure that the pressure screw is securely tightened so that it will no longer be turned.
- Be sure not to damage the pressure roller with the gap confirmation jig.
- Adjust the gap while the pressure roller is released from the fuser belt.
- If the fuser unit is not installed to the equipment after the replacement or adjustment but must be stored as a unit for a long time, be sure to leave the pressure roller released from the fuser belt.

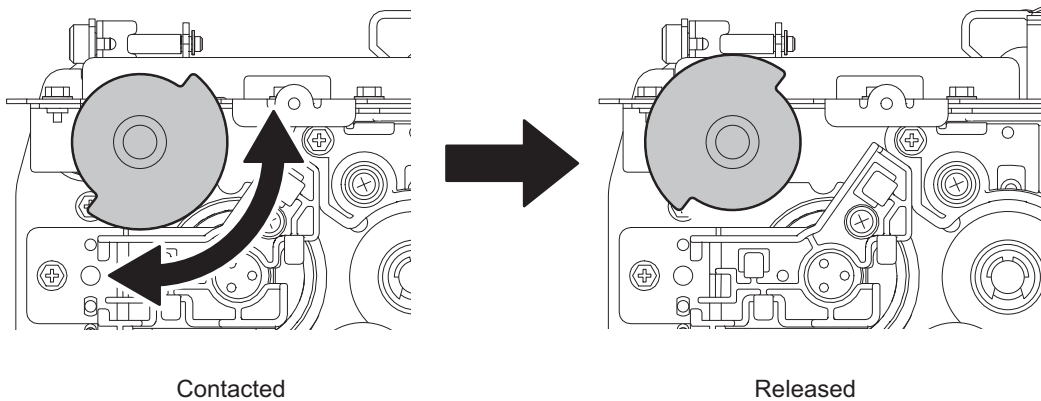


Fig.6-68

Gap to be confirmed

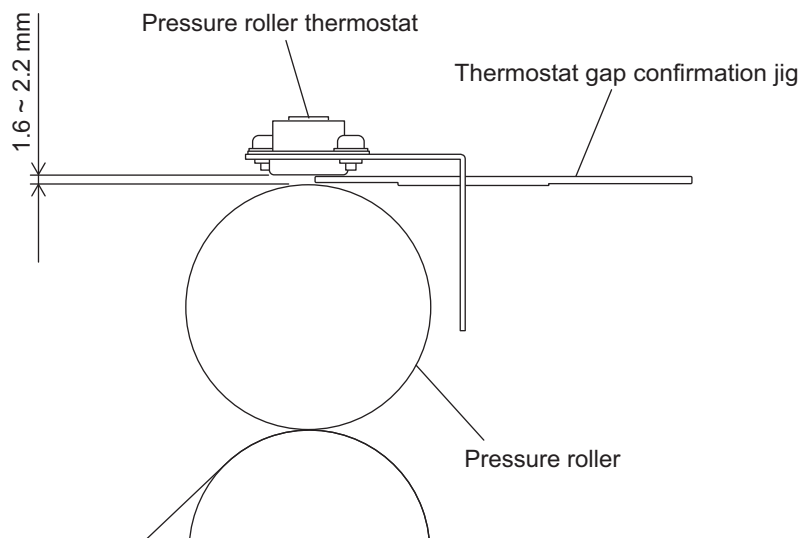


Fig.6-69

Gap confirmation jig

- Thermostat gap confirmation jig (JIG-FU-THRMST-BP)

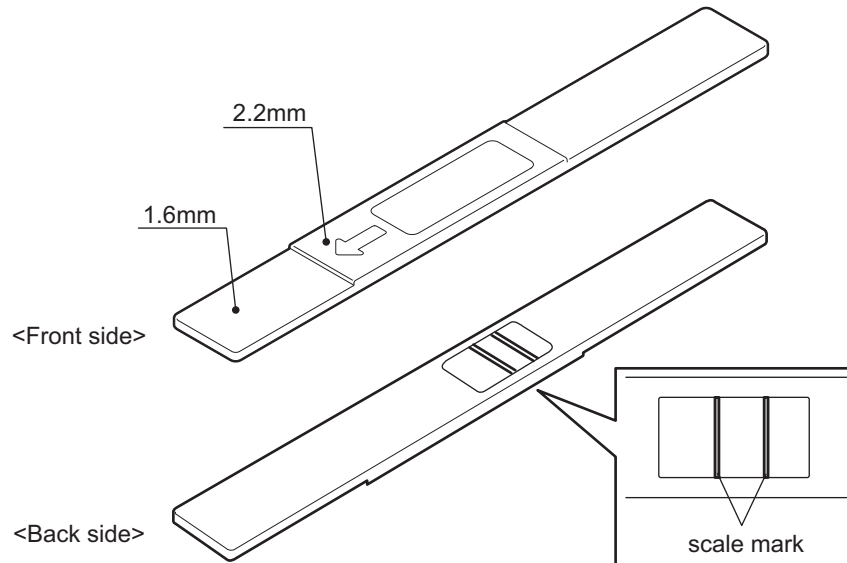


Fig.6-70

<Adjustment procedure>

- (1) Take off the pressure roller cover from the fuser unit.
📖 P. 4-173"4.9.2 Pressure roller cover"
- (2) Take off the entrance guide.
📖 P. 4-175"4.9.5 Entrance guide cover"
- (3) Insert the thermostat gap confirmation jig [1] at 2 points; the gap between the pressure roller center thermostat and the pressure roller, and the gap between the pressure roller side thermostat and the pressure roller. Insert it parallel to the thermostat surface.
- (4) Confirm that the 1.6 mm section of the thermostat gap confirmation jig is inserted without touching, but its 2.2 mm section contacts the thermostat surface. If this condition is met, end the procedure because no adjustment is needed. If it is not, go to step (5).

Notes:

Align the scale mark [2] of the jig with the edge [3] of the thermostat bracket as shown below. If they are not aligned, the gap adjustment is incorrect.

- (5) Move the screw [4] of the thermostat bracket from the position (A) to the position (B) so that the screw [4] will be loosened.
- (6) Adjust the position of the bracket [5] by moving it up or down while you are screwing until you can insert the 1.6 mm section of the jig without touching, but its 2.2 mm section contacts the thermostat surface.

Notes:

Adjust the scale mark [2] of the jig to the position shown below. If not, it makes the gap adjustment incorrect.

(7) End the procedure when both points meet the condition follows.

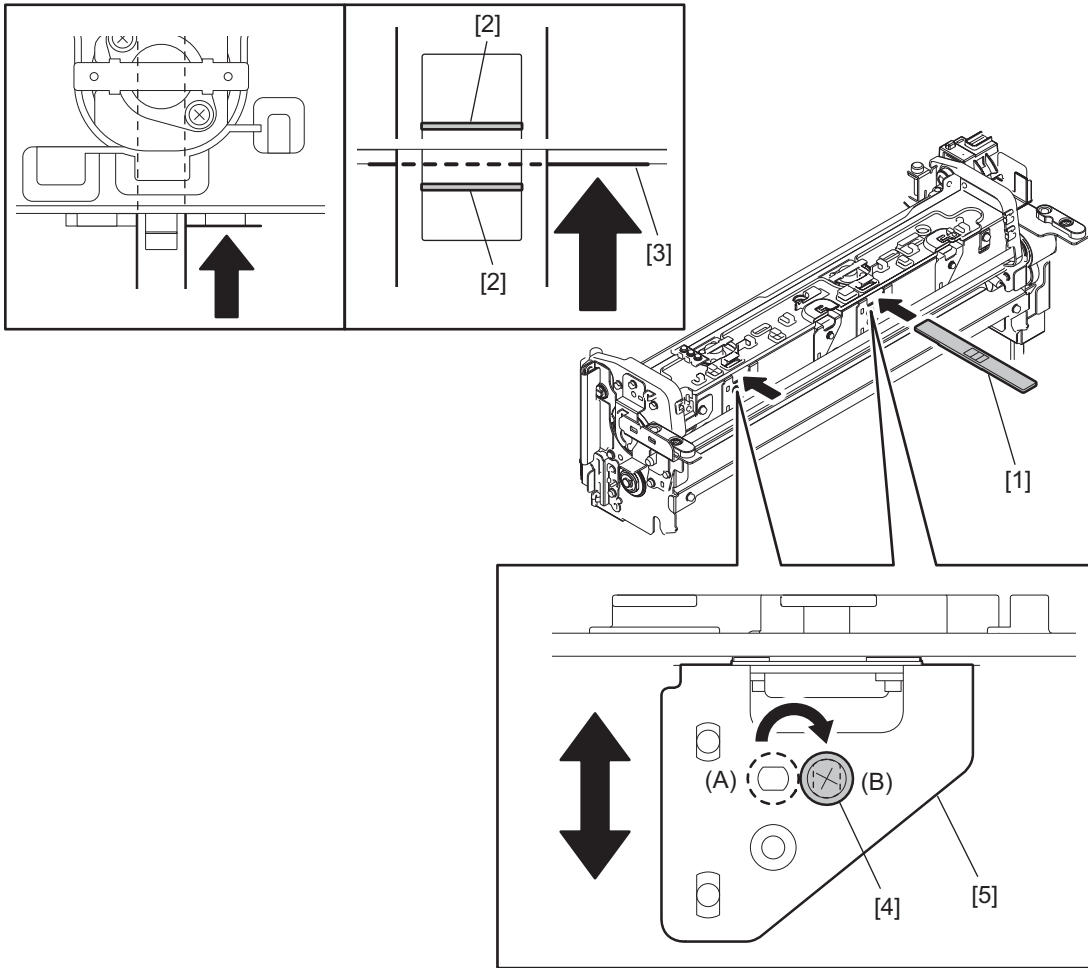


Fig.6-71

6.11.4 Gap adjustment for separation plate

When the separation plate was replaced or removed or when the adjustment screw was moved, check the gap between the separation plate and the fuser belt, and then adjust it if required.

Notes:

- Wait until the fuser unit is completely cooled down, and then start the adjustment.
- Place the fuser unit on a flat surface, confirming that its 4 legs are securely grounded.
- Measure the gap while pressure is being applied to the pressure roller with the spring force. At this time be sure that the pressure screw is securely tightened so that it will no longer be turned.
- Be sure not to damage the fuser belt with the gap confirmation jig.
- Adjust the gap while the pressure roller is released from the fuser belt.
- If the fuser unit is not installed to the equipment after the replacement or adjustment but must be stored as a unit for a long time, be sure to leave the pressure roller released from the fuser belt.

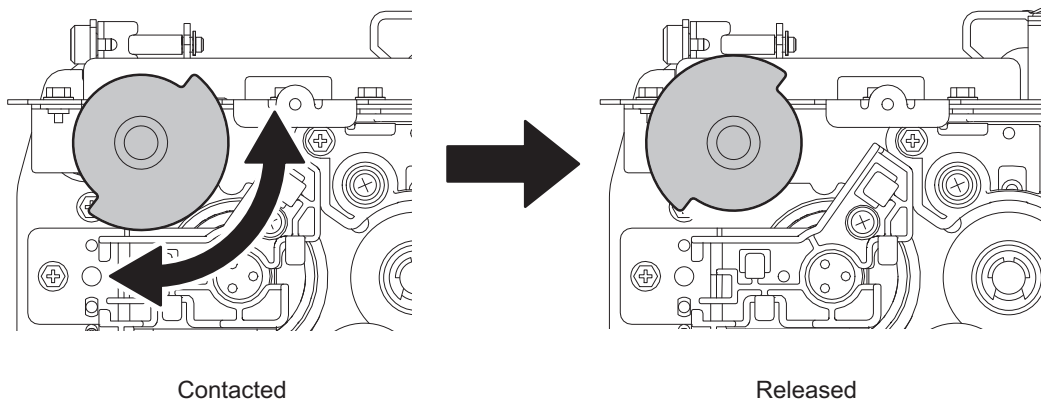


Fig.6-72

Gap to be confirmed

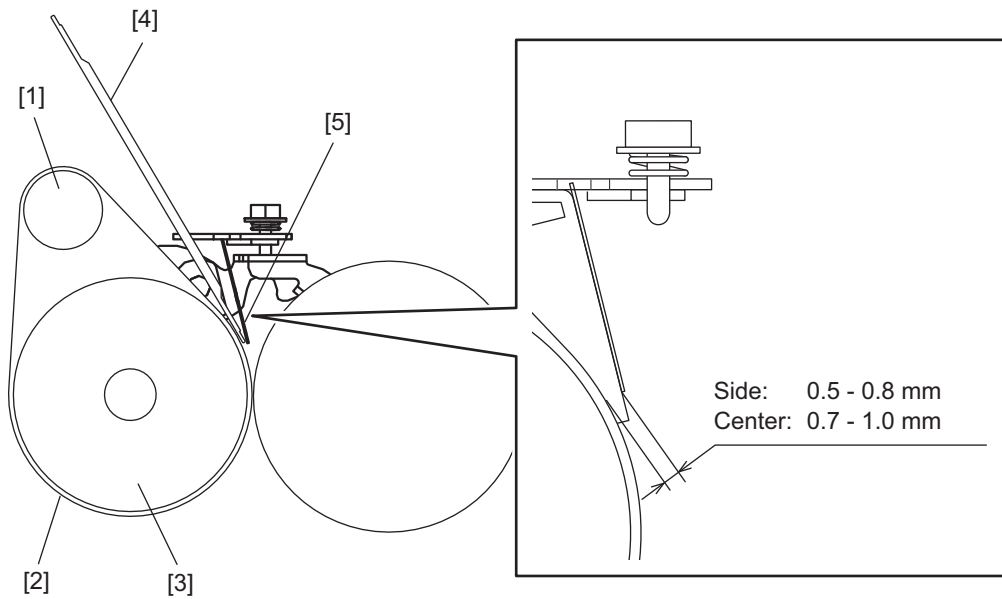


Fig.6-73

- [1] Heat pipe roller
- [2] Fuser belt
- [3] Fuser roller
- [4] Separation plate gap confirmation jig
- [5] Separation plate

Gap confirmation jig

- Separation plate gap confirmation jig (JIG-FU-SEP-BP)

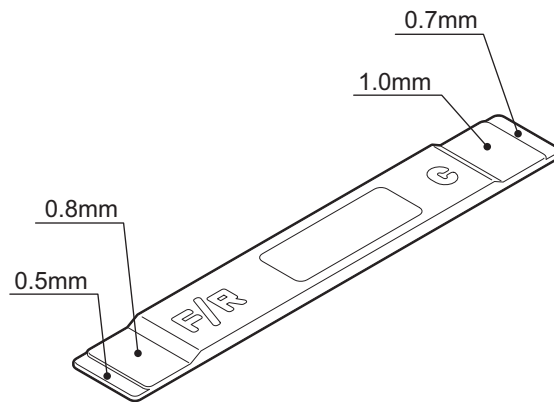


Fig.6-74

<Adjustment procedure>

Notes:

- When the fuser belt was replaced with a new one, turn the gear by hand for 2 or 3 rotations until the new belt works smoothly.

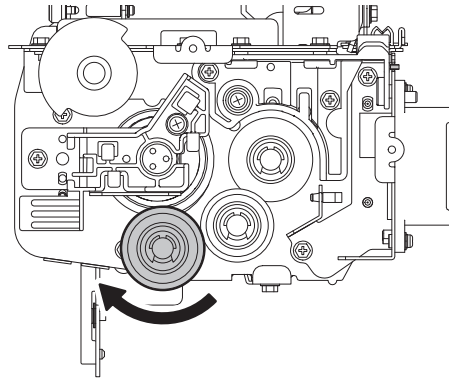


Fig.6-75

- When the fuser belt was not replaced, do not turn the belt before you start the gap adjustment. When the fuser belt is heated and then cooled down, it has a slack where the heat pipe roller rolls up the belt. When this slack is moved away from the heat pipe roller, it makes the gap adjustment incorrect.

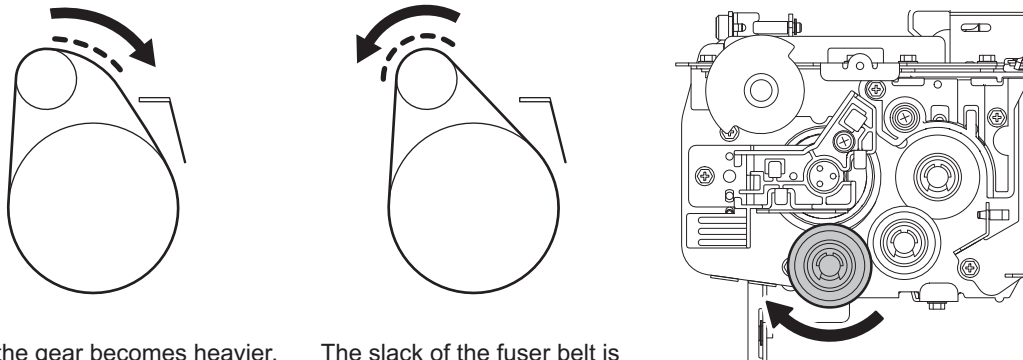


The slack of the fuser belt is not on the heat pipe roller.

The slack of the fuser belt is on the heat pipe roller.

Fig.6-76

- If you turned the belt before the gap adjustment by mistake, follow the procedure below to move the slack back to the position where the heat pipe roller rolls up the belt. Loosen the pressure screw to remove the spring so that the pressure roller will not be pressed. Then rotate the gear to turn the belt so that a heavy load is applied on the rotation of the gear when the slack on the fuser belt passes over the heat pipe roller. At this time release your hand so that the slack comes at the position where the heat pipe roller rolls up the belt. It is easier when you check from the side if the slack has come at an appropriate position.



Load on the gear becomes heavier.

The slack of the fuser belt is aligned with the heat pipe roller.

Fig.6-77

- (1) Remove 2 screws to take off the transport guide-1 from the fuser unit.

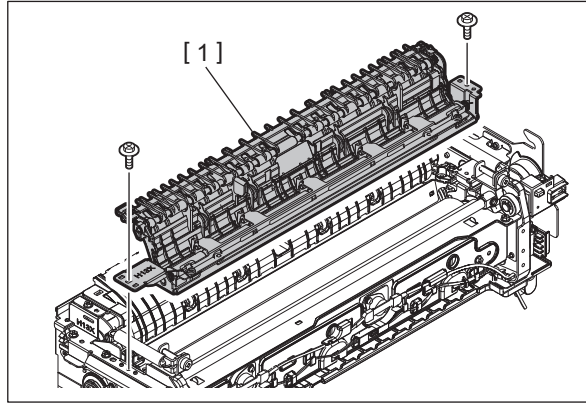


Fig.6-78

- (2) Remove 1 screw, and take off the bracket[1].
(3) Remove 1 screw each, and take off front and rear links[2].

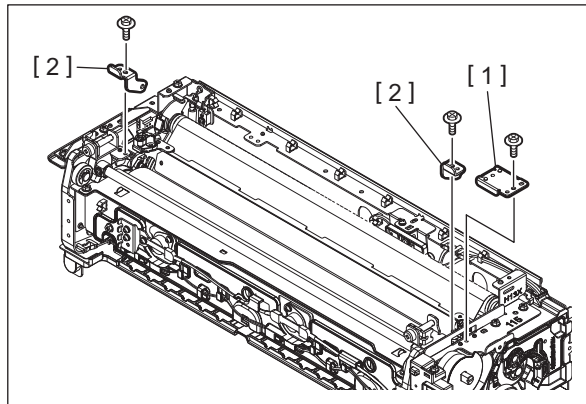


Fig.6-79

- (4) Remove 3 screws and take off the transport guide-2 cover[1].

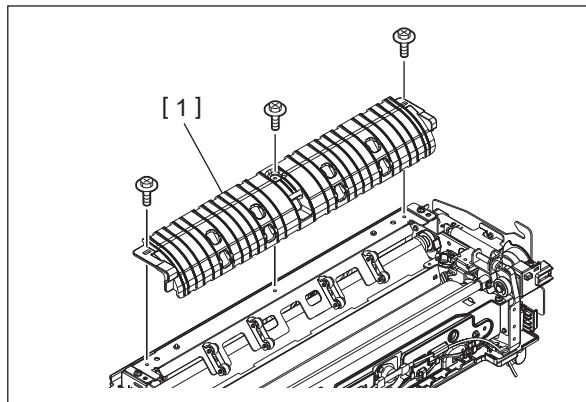


Fig.6-80

- (5) Remove 1 screw each, and take off front and rear screw cover[1].

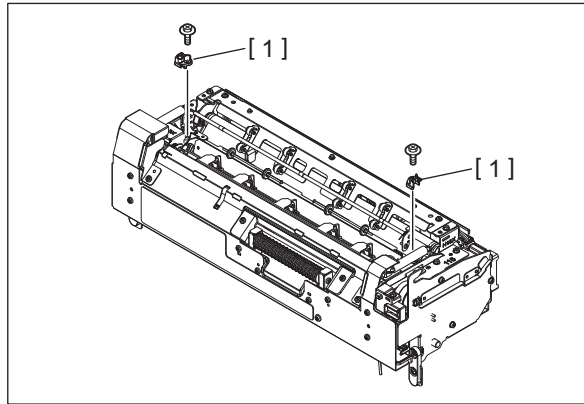


Fig.6-81

- (6) Insert the “F/R” side of the separation plate gap confirmation jig into the window closest to you of the separation plate [1].
- (7) Adjust the gap with the adjustment screw until the 0.5 mm section of the jig is inserted without touching, but its 0.8 mm section contacts the separation plate.
- (8) Insert the “F/R” side of the jig [2] into the window of the separation plate [1], which is farthest away from you, and then adjust the gap.
- (9) Insert the “C” side of the jig [2] into the window at the center of the separation plate [1].
- (10) Adjust the gap with the adjustment screw until the 0.7 mm section of the jig [2] is inserted without touching, but its 1.0 mm section contacts the separation plate surface.
- (11) Install the screw covers removed in step (5).

Notes:

If the screw covers do not fit the screws, slightly turn them either clockwise or counterclockwise.

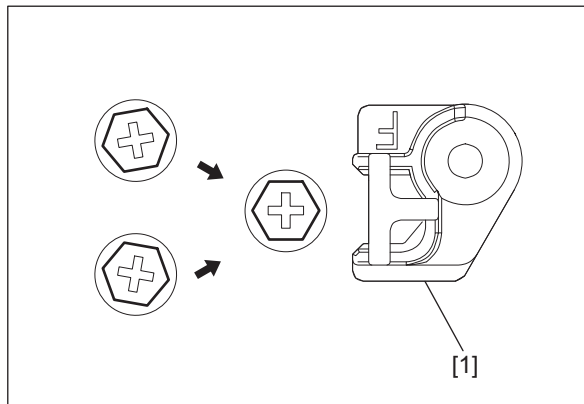


Fig.6-82

(12) Repeat step (6) to (11). If you can confirm that all gaps are the correct values, end the procedure.

Notes:

If the separation plate gap is not adjusted correctly, the problems below may occur.

- If the gap is too large, paper jams may occur frequently when photo images are copied on thin paper.
- If the gap is too small, stains may appear on the copied image because the separation plate may scratch the fuser belt.

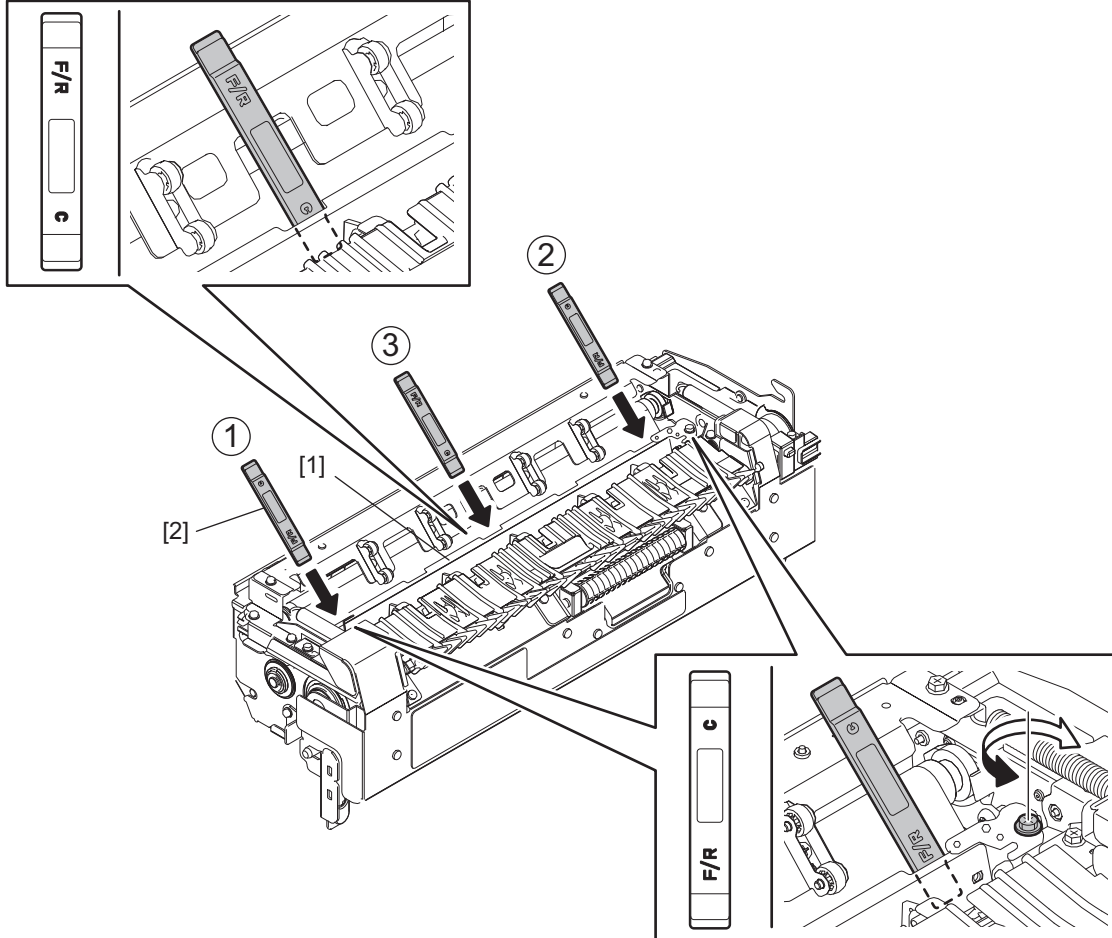


Fig.6-83

6.12 Reversing Automatic Document Feeder (RADF)

6.12.1 RADF position adjustment

Perform this adjustment when the RADF is removed.

- (1) Place the RADF aligning its installation shoulder screw with the hole of the hinge bracket, and then slide it to the front side.

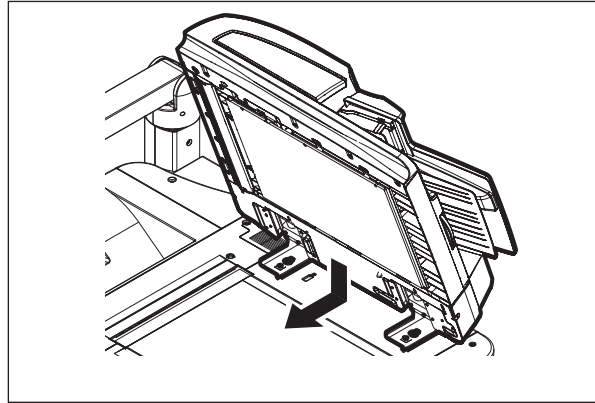


Fig.6-84

- (2) Tighten the 2 fixing screws of the hinge bracket (front side) temporarily.

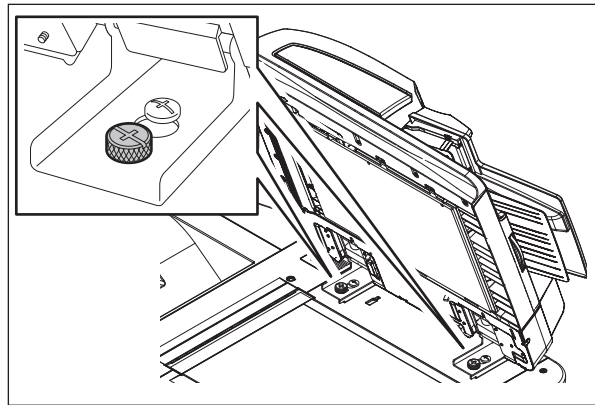


Fig.6-85

- (3) Remove the platen sheet.

Notes:

Be sure not to fold or stain the removed platen sheet.

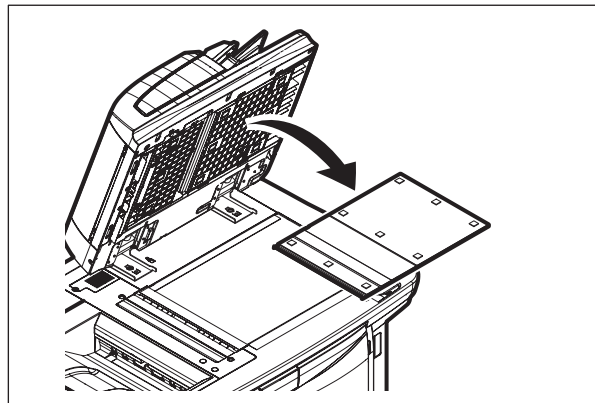


Fig.6-86

- (4) Remove 2 gaskets.

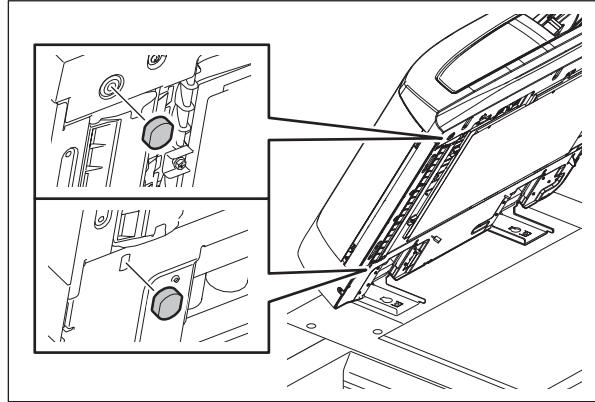


Fig.6-87

- (5) Remove 2 screws.

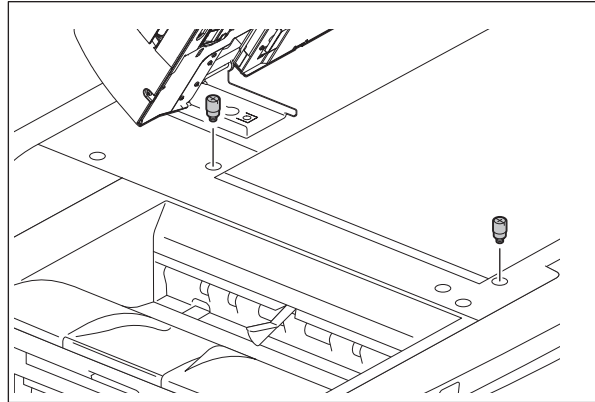


Fig.6-88

- (6) Install 2 positioning pins.

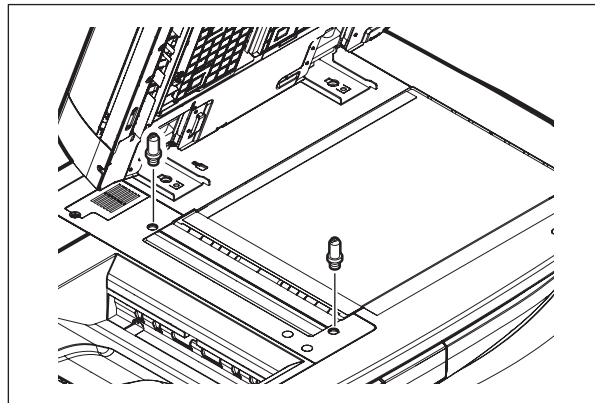


Fig.6-89

- (7) Close the RADF gently and check if the positioning pins fit the holes on the RADF.

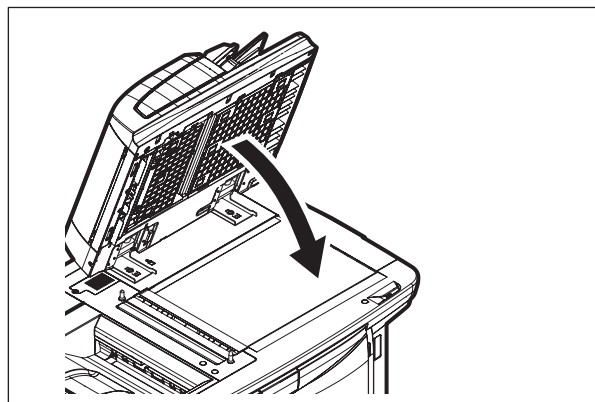


Fig.6-90

- (8) When the RADF is closed, check if the hole of the adjustment plate on the right-hand hinge is aligned with the hole on the equipment. If it is not, turn the adjustment screw to match the hole.

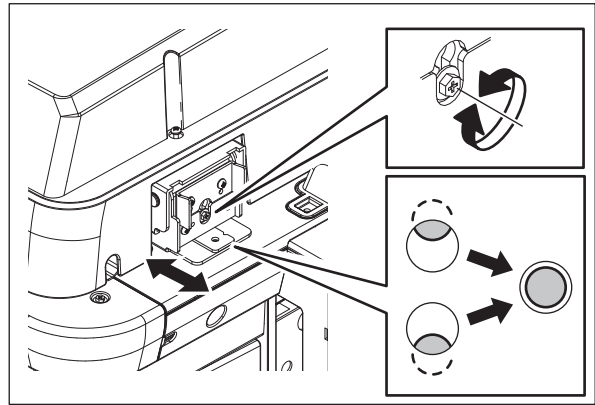


Fig.6-91

- (9) Install 1 fixing screw (rear side) on the right-hand hinge bracket.

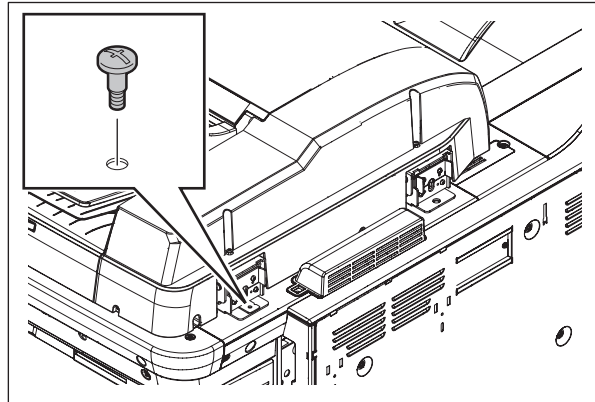


Fig.6-92

- (10) Insert a washer, and install 1 fixing screw (rear side) on the left-hand hinge bracket.

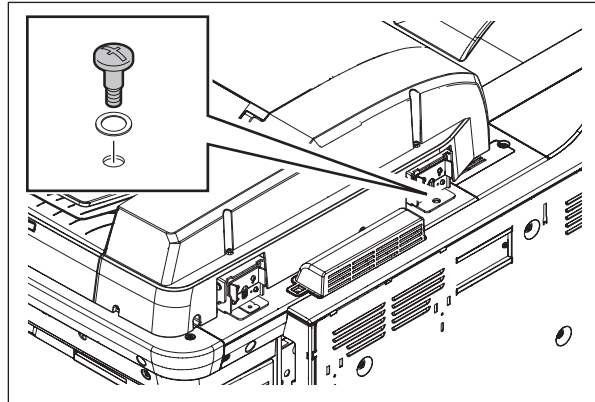


Fig.6-93

- (11) Tighten the 2 fixing screws (front side) on the hinge bracket.

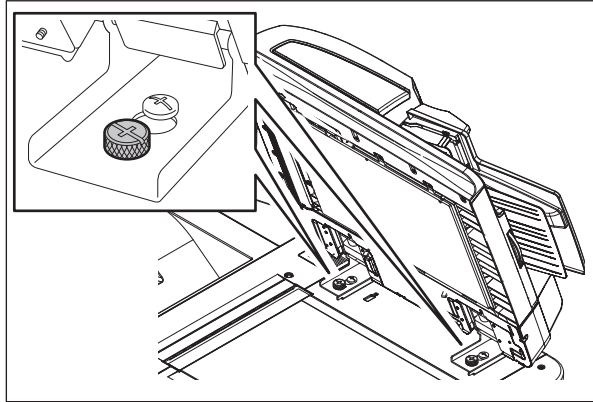


Fig.6-94

- (12) Open the RADF and remove 2 positioning pins.

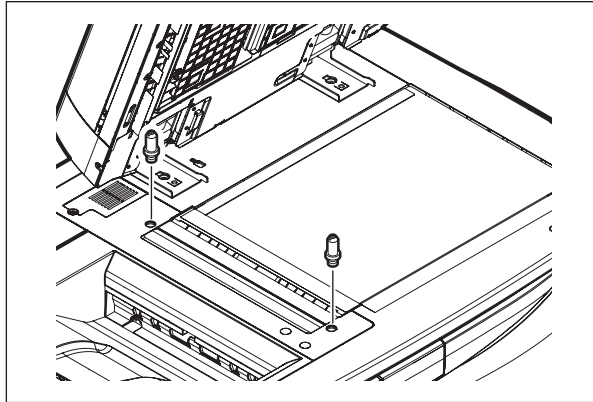


Fig.6-95

- (13) Install 2 screws.

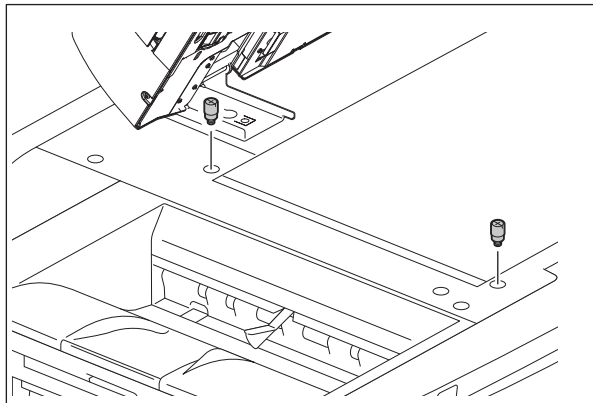


Fig.6-96

- (14) Place the platen sheet on the original glass and align it to the top left corner. Close the RADF gently and open it to check if the platen sheet is attached properly.

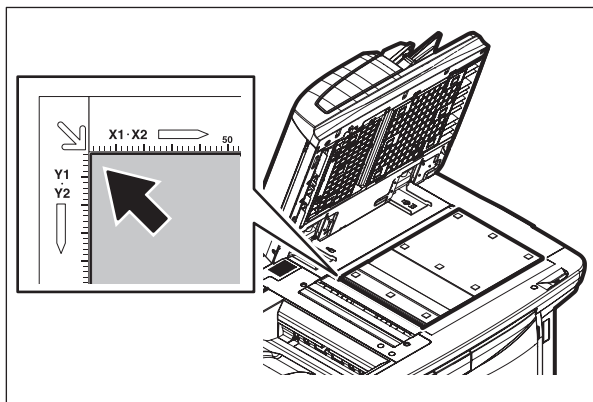


Fig.6-97

(15) Install the gaskets.

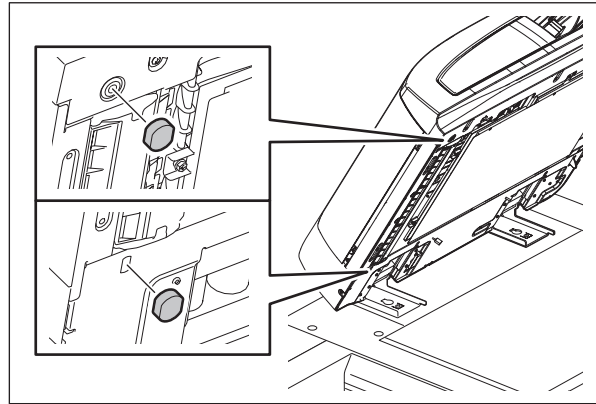


Fig.6-98

6.12.2 RADF height adjustment

Notes:

Check if the image adjustment for the equipment is performed properly before this adjustment of the RADF.

[A] Adjustment

- (1) Remove the top left cover.
 P. 4-3"4.1.6 Top left cover"
- (2) Close the RADF.
- (3) Light the exposure lamp.
 - Turn the power ON while pressing [0] and [3] simultaneously.
 - Key in [267] and then press the [START] button. The exposure lamp is turned ON for a given length of time.
- (4) Visually check the gap between platen guide holder "A" and upper surface of the original glass "B" from the left hand side of the equipment. If the value is not within the tolerance, perform the adjustment according to the following procedure.

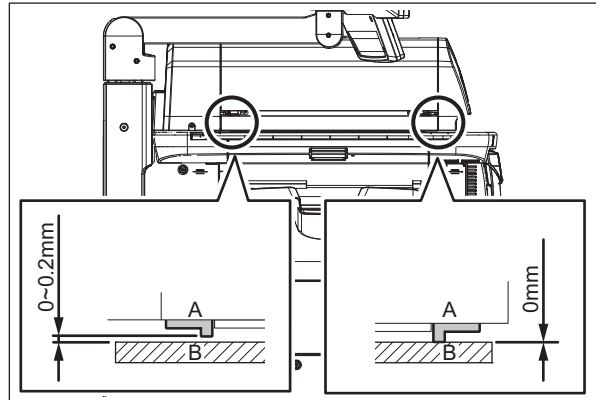


Fig.6-99

[Tolerance of the gap]

Rear side: 0 - 0.2 mm

Front side: 0 mm

- (5) Close the RADF. Adjust it by turning the adjustment screws on the hinges.
 - Adjust the gap on the rear side by means of the screw on the hinge on the feed side (right side) of the RADF.
 Turn it clockwise Heightened
 Turn it counterclockwise Lowered

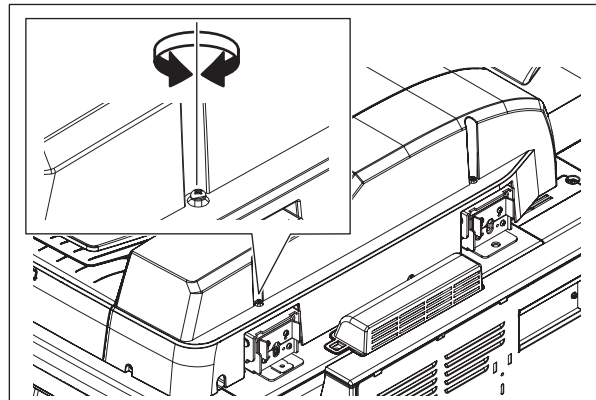


Fig.6-100

- Adjust the gap on the front side by means of the screw on the hinge on the exit side (left side) of the RADF.
 Turn it clockwise Lowered
 Turn it counterclockwise Heightened

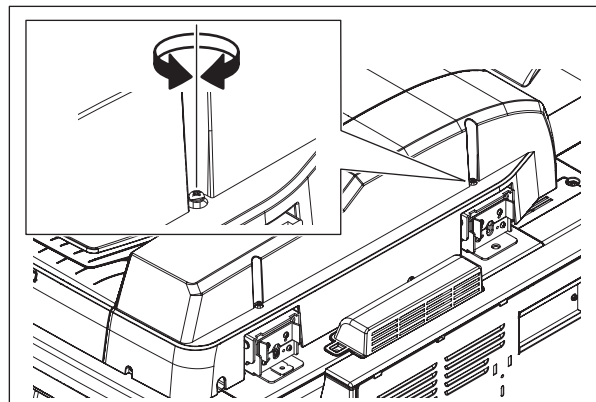


Fig.6-101

Notes:

Open the original jam access cover and check the height adjustment pointer on the front and rear side. When taking off / reinstalling the RADF, be sure to check the position of the height adjustment pointer before taking off the RADF. Check the position of the pointer again after the RADF is reinstalled. Perform the RADF height adjustment only when the position is not aligned with that before the reinstallation.

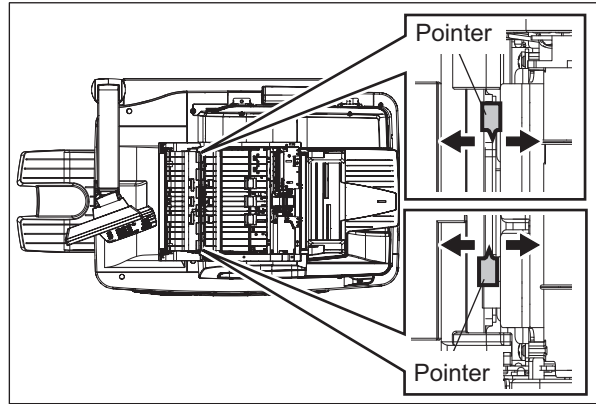


Fig.6-102

6.12.3 RADF image skew adjustment

Notes:

First check if the image adjustment has been performed properly and then start this adjustment for the RADF. Also, the RADF position and height shall be adjusted correctly.

[A] Simplex copying:

- (1) Check the image using the chart (original) with vertical and horizontal lines in the following procedure.
Place the chart provided as an original with its face up on the original tray of the RADF, select [1 Sided -> 1 Sided] and make copies.

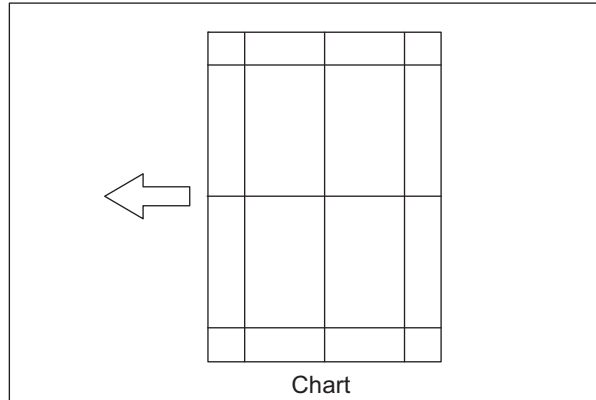


Fig.6-103

- (2) Superimpose the chart on the copy and check the inclination of the copy image.

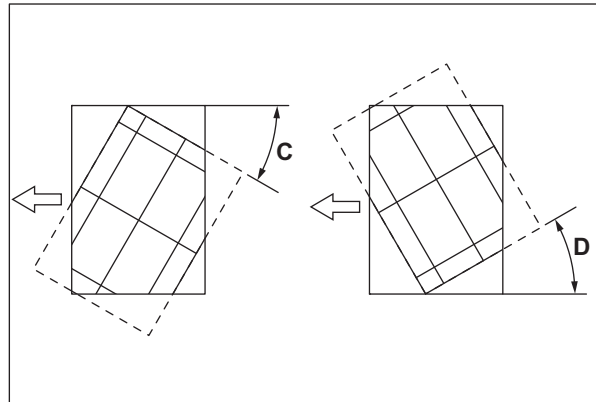


Fig.6-104

- (3) If the adjustment is necessary, open the original jam access cover and change the position of the lower screw fixing the plate. Loosen the screw, and then if the image skew is "C" as shown in the figure above, shift the aligning plate in the direction of "+", and if "D", shift it to "-".

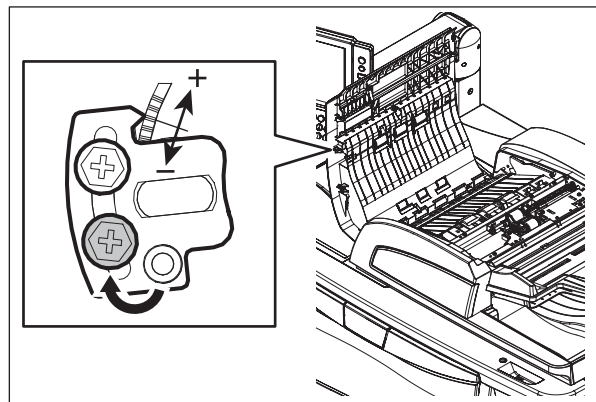


Fig.6-105

[B] Duplex copying:

- (1) Check the image using the chart (original) with vertical and horizontal lines in the following procedure.
Place the chart provided as an original with its face down on the original tray of the RADF, select [2 Sided -> 2 Sided] and make copies.

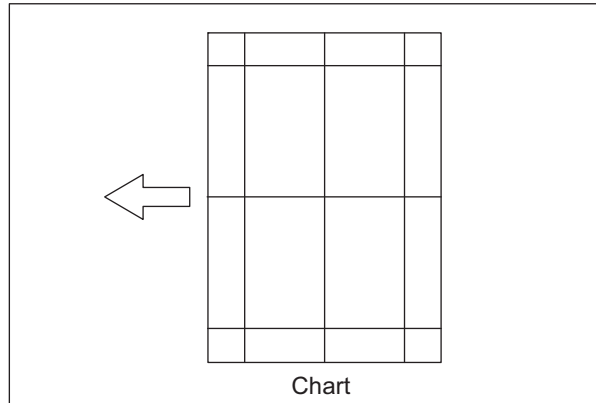


Fig.6-106

- (2) Superimpose the chart on the copy and check the inclination of the copy image.

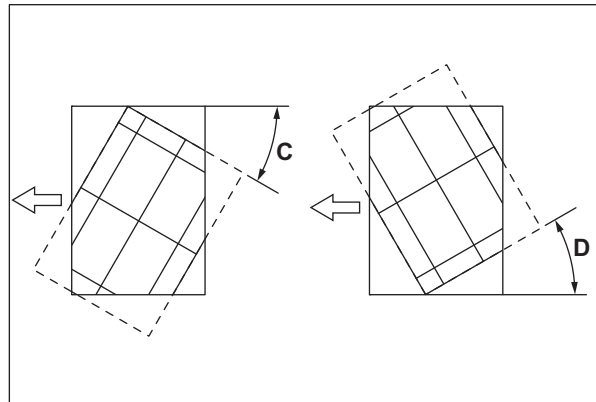


Fig.6-107

- (3) If the adjustment is necessary, open the original jam access cover and change the position of the lower screw fixing the plate. Loosen the screw, lift the guide and then if the image skew is "C" as shown in the figure above, shift the aligning plate in the direction of "+", and if "D", shift it to "-".

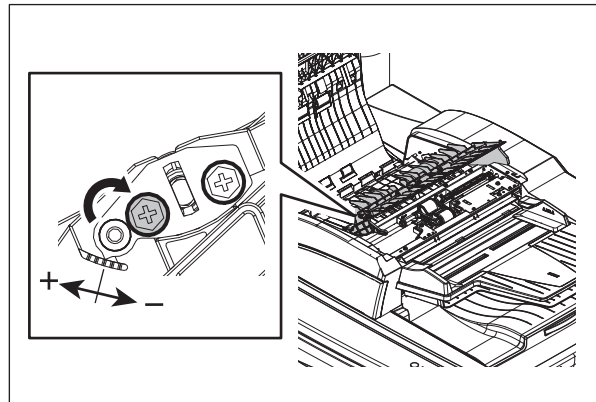


Fig.6-108

6.12.4 RADF leading edge position adjustment

Notes:

First check if the image adjustment has been performed properly and then start this adjustment for the RADF. Also, the RADF position and height shall be adjusted correctly.

[A] Simplex copying:

- (1) Check the image using the chart (original) with vertical and horizontal lines in the following procedure.
Place the chart provided as an original with its face up on the original tray of the RADF, select [1 Sided -> 1 Sided] and make copies.

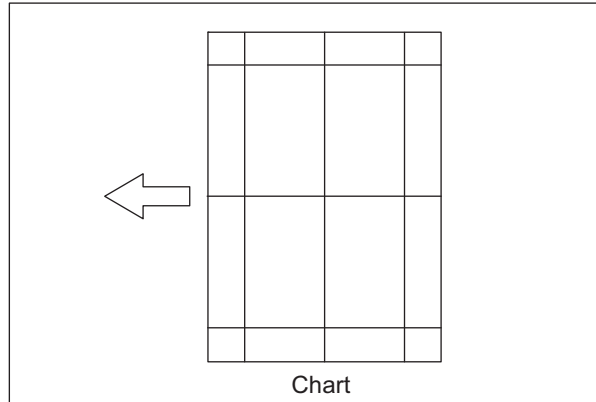


Fig.6-109

- (2) Superimpose the chart on the copy and check the leading edge E of the chart and F of the copy.
- (3) If the adjustment is necessary, shut down the equipment and turn the power ON while pressing [0] and [5] simultaneously, key in [3044] and then press the [START] button.
- (4) Enter the value.
If the leading edge (F) margin of the copy image is larger than the (E) margin of the chart, enter a value smaller than the current one. If the leading edge (F) margin of the copy image is smaller than the (E) margin of the chart, enter a value larger than the current one.

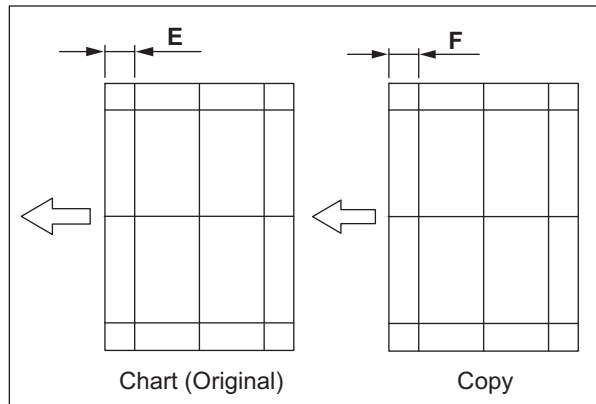


Fig.6-110

Notes:

Changing one value shifts the copy image by 0.2 mm.

- (5) Press the [OK] button.

[B] Duplex copying:

- (1) Check the image using the chart (original) with vertical and horizontal lines in the following procedure.
Place the chart provided as an original with its face down on the original tray of the RADF, select [2 Sided -> 2 Sided] and make copies.

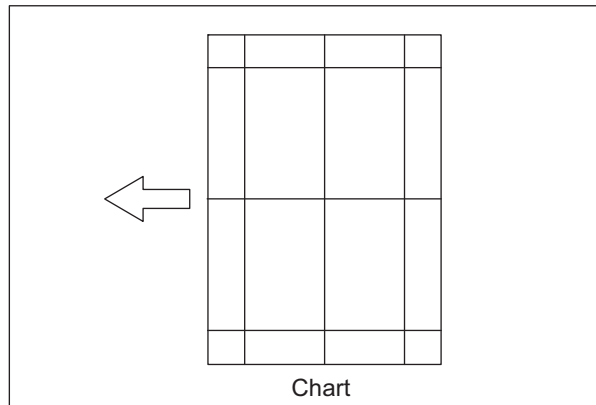


Fig.6-111

- (2) Superimpose the chart on the copy and check the leading edge E of the chart and F of the copy.
- (3) If the adjustment is necessary, shut down the equipment and turn the power ON while pressing [0] and [5] simultaneously, key in [3045] and then press the [START] button.
- (4) Enter the value.

If the leading edge (F) margin of the copy image is larger than the (E) margin of the chart, enter a value smaller than the current one. If the leading edge (F) margin of the copy image is smaller than the (E) margin of the chart, enter a value larger than the current one.

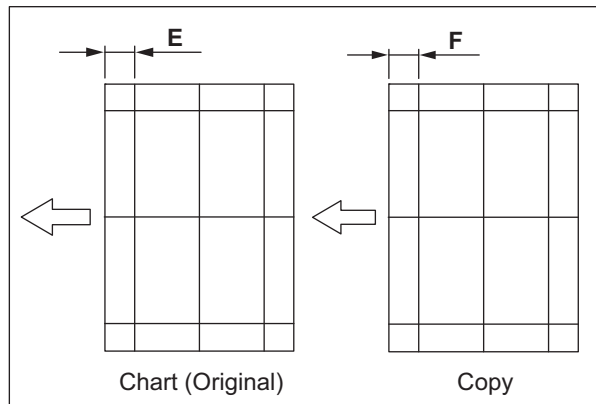


Fig.6-112

Notes:

Changing one value shifts the copy image by 0.2 mm.

- (5) Press the [OK] button.

6.12.5 RADF horizontal position adjustment

Notes:

First check if the image adjustment has been performed properly and then start this adjustment for the RADF. Also, the RADF position and height shall be adjusted correctly.

- (1) Check the image using the chart (original) with a center line in the following procedure. Place the chart provided as an original with its face up on the original tray of the RADF, and then make copies.

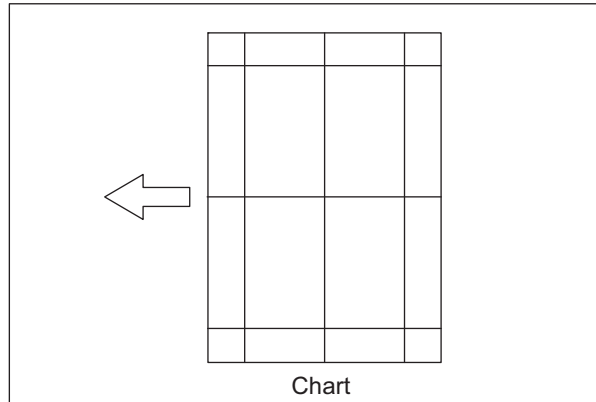


Fig.6-113

- (2) Fold the copy in half and check if the center line is misaligned.
- (3) If the adjustment is necessary, shut down the equipment and turn the power ON while pressing [0] and [5] simultaneously.
- (4) Key in [3043] and then press the [START] button.
- (5) If the center line of the copy image is shifted to the front side of the equipment (G), enter a value larger than the current one.

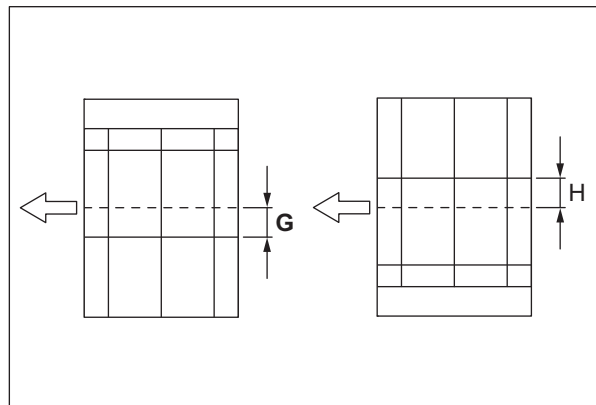


Fig.6-114

Notes:

Changing one value shifts the copy image by 0.08 mm.

- (6) If the center line of the copy image is shifted to the rear side of the equipment (H), enter a value smaller than the current one.
- (7) Press the [OK] button.

6.12.6 RADF copy ratio adjustment

Notes:

First check if the image adjustment has been performed properly and then start this adjustment for the RADF. Also, the RADF position and height shall be adjusted correctly.

- (1) Check the image using the chart (original) with vertical and horizontal lines in the following procedure.
Place the chart provided as an original with its face up on the original tray of the RADF.

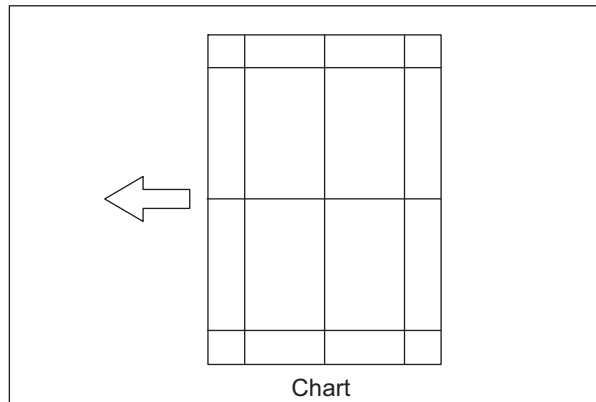


Fig.6-115

- (2) Press the [START] button.
- (3) Superimpose the chart on the copy and check the image dimension "l".
- (4) If the adjustment is necessary, shut down the equipment and turn the power ON while pressing [0] and [5] simultaneously.
- (5) Key in [3042] and then press the [START] button.
- (6) If the copy image dimension "l" is larger than the chart dimension, enter a value smaller than the current one. If the copy image dimension "l" is smaller than the chart dimension, enter a value larger than the current one.

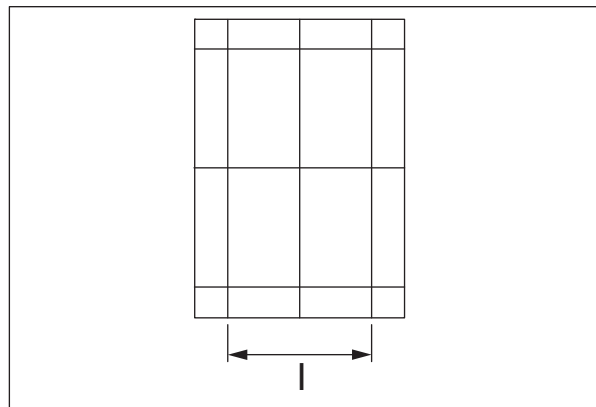


Fig.6-116

Notes:

When the value is increased (decreased) by 1, the copy image (ratio in the secondary scanning direction) is affected correspondingly by 0.1%.

- (7) Press the [OK] button.

6.12.7 RADF opening/closing switch adjustment

Adjust the bracket position so that the sensor is turned ON when the height "J" becomes 145 mm or less (within the empty weight falling limit).

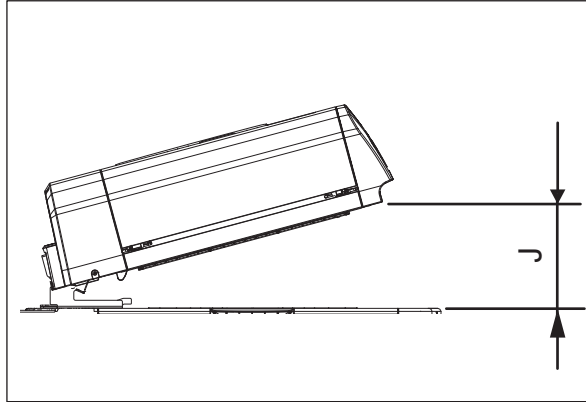



Fig.6-117

- (1) Take off the RADF rear cover.
 P. 4-258"4.11.3 RADF rear cover"
- (2) Loosen the fixing screw of the bracket. Slide the bracket vertically using the scale as a guide to adjust the position where the switch is turned ON.
- (3) Tighten the fixing screw of the bracket. Install the RADF rear cover.

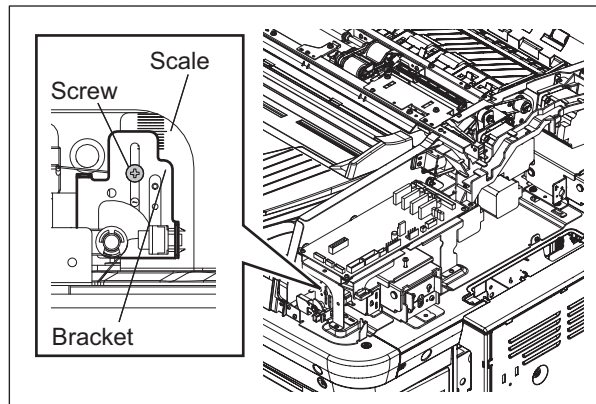


Fig.6-118

6.12.8 Original reading start sensor adjustment

When the RADF board or the original reading start sensor (sensor section or prism) is replaced, be sure to perform this adjustment. If not, paper jams (E721, E725, E774) or operational problems may occur.

[A] Automatic adjustment

- (1) Turn the power ON while pressing [0] and [5] simultaneously.
- (2) Key in [3210] and then press the [START] button.

Notes:

- Be sure to close all of the RADF cover before the adjustment is performed.
- Check that there is no paper on the original reading start sensor so that the light is not shielded.

[B] Manual adjustment

Notes:

When the reading start sensor is replaced or re-installed, perform this manual adjustment.

- (1) Take off the left RADF cover.
- (2) Close the original jam access cover and the RADF.
- (3) Turn the power ON while pressing [0] and [5] simultaneously.
- (4) Key in [3221] and then press the [START] button.

Notes:

Be sure not to close or open the original jam access cover and the RADF until step 6 is finished. If you do so, the adjustment value will be reset. In this case, repeat the adjustment from step 2.

- (5) Loosen 2 prism vertical adjustment screws of the prism.

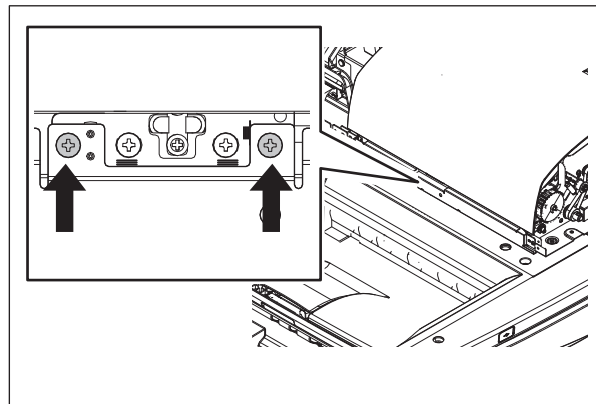


Fig.6-119

- (6) Slide the prism vertically. When the prism comes to the proper adjustment position, LED3 on the RADF board lights. At this position, tighten 2 prism vertical adjustment screws.

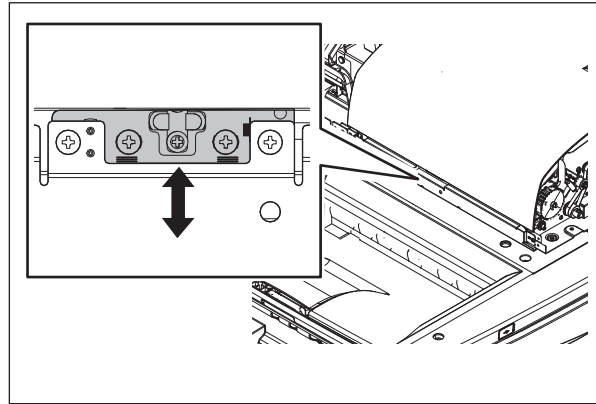


Fig.6-120

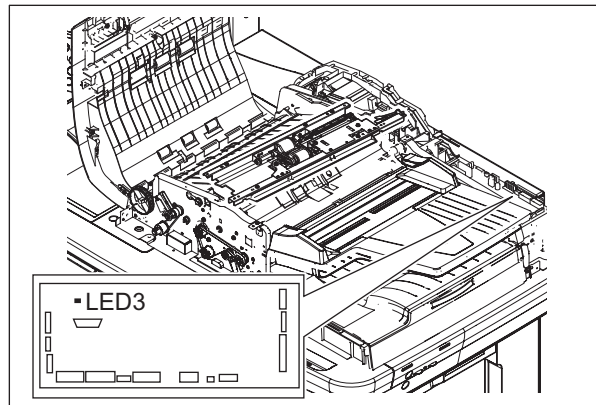


Fig.6-121

Notes:

If LED 3 does not light, follow the procedure below.

1. Tighten 2 prism vertical fixing screws aligning with the forth mark-off line from the top.

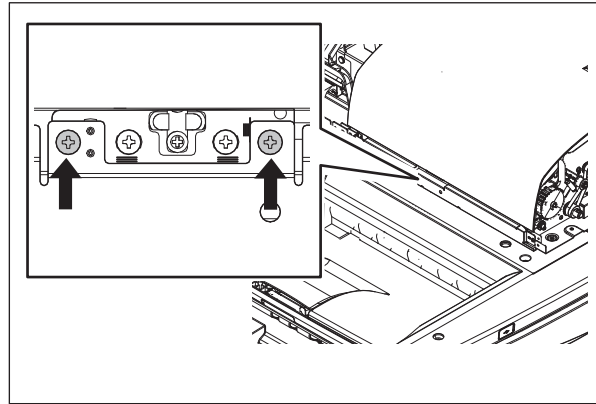


Fig.6-122

2. Loosen the 2 prism horizontal adjustment screws.

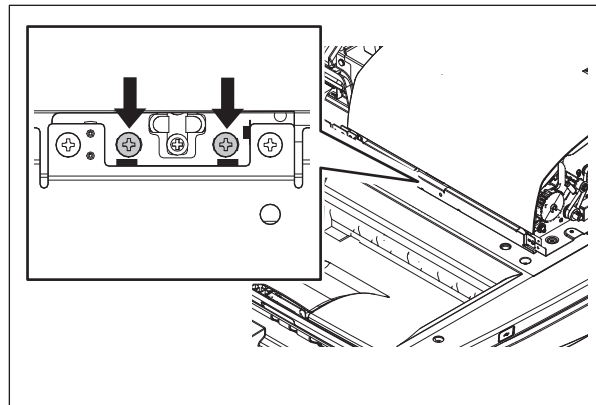


Fig.6-123

3. Slide the prism horizontally. When the prism comes to the proper adjustment position, LED 3 on the RADF board lights. At this position, tighten 2 prism horizontal adjustment screws.

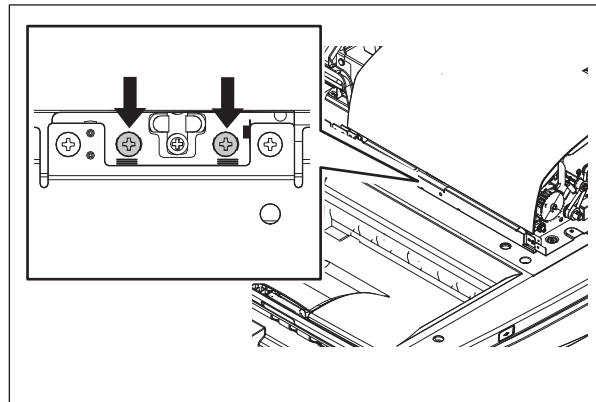


Fig.6-124

- (7) Perform the automatic adjustment (05-3210).

Notes:

After the manual adjustment is performed, be sure to do the automatic one.

- (8) Turn the power OFF and install the cover.

6.12.9 Platen Sheet

If a shadow-like dark area appears on the edge of the image, reset the platen sheet

- (1) Open the RADF and remove the platen sheet.

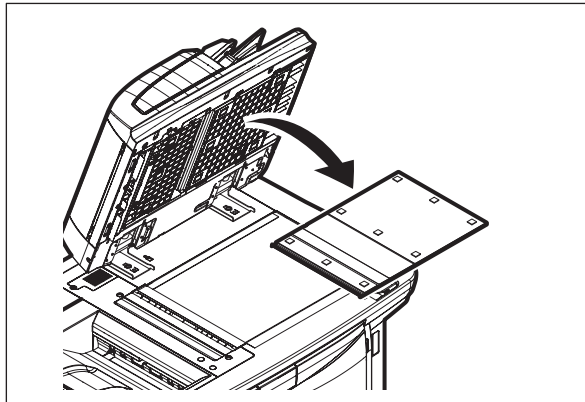


Fig.6-125

- (2) Place the platen sheet on the original glass and align it to the top left corner. Close the RADF gently and open it to check if the platen sheet is attached properly.

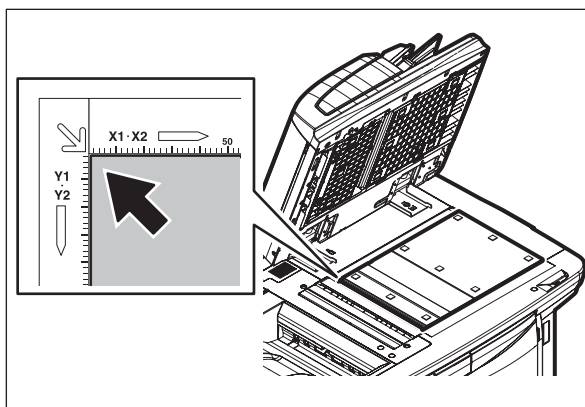


Fig.6-126

6.12.10 RADF Separation roller pressure force adjustment (e-STUDIO5560C/6560C/6570C)

In some cases the life of the separation roller may be shortened or paper jams and multiple feeding (E712, E721, E724) may occur regardless of the operation frequency of the equipment. This comes from the weight or edge status of paper used and the amount of paper dust.

Generally paper jams and multiple feeding often occur as the life end of the roller approaches.

However, if they often occur even though its life has not yet reached its replacement timing, or if the life end comes much earlier than the scheduled replacement timing, the jams and multiple feeding can be suppressed by adjusting the pressure force of the separation roller.

In this method, however, when the roller life becomes longer, jams and multiple feeding may occur frequently, and when the jams and multiple feeding are suppressed, the roller life may become shorter. Therefore, perform this adjustment while checking the status carefully, and if necessary, give a sufficient explanation to users.

<Procedure>

- (1) Take off the RADF front cover.
📖 P. 4-257"4.11.2 RADF front cover"
- (2) Take off the RADF rear cover.
📖 P. 4-258"4.11.3 RADF rear cover"
- (3) Remove 4 screws and take off the feeder upper guide unit [1].

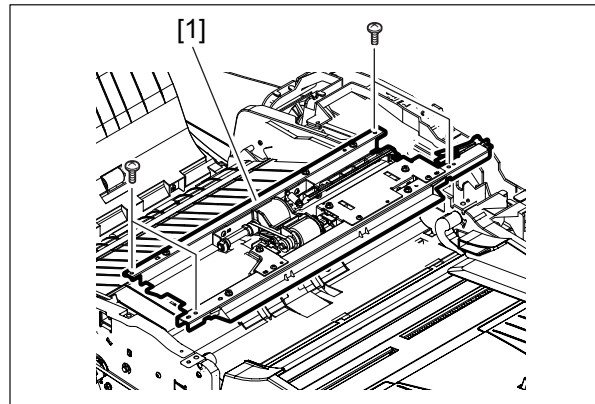


Fig.6-127

- (4) Release 2 hooks. Open the separation roller holder [1].

Notes:

Do not peel off the film [2] of the separation roller holder since it is fixed to the RADF with double-faced adhesive tape.

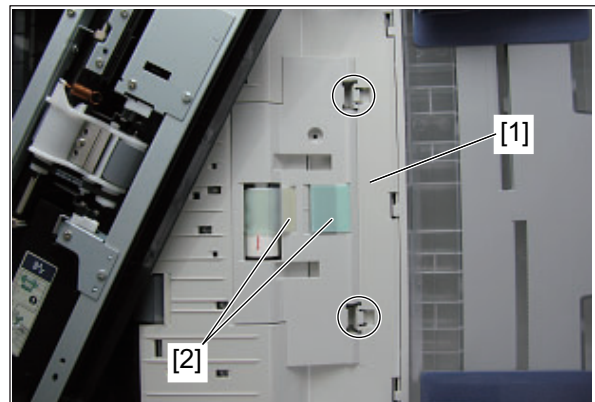


Fig.6-128

- (5) Remove 1 screw, and then screw it temporarily to an oblong hole located next to it.

Notes:

Make a mark for the installation position of the bracket in advance.

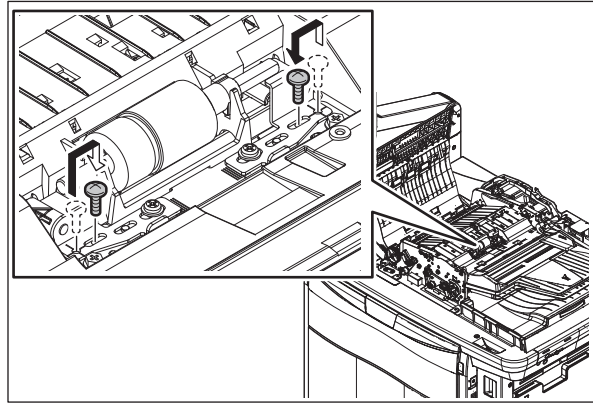


Fig.6-129

- (6) Move the bracket.
Move to the direction A: The roller life will become longer (but multiple feeding may occur frequently).
Move to the direction B: Multiple feeding will be suppressed (but the roller life may become shorter).

Notes:

Moving the brackets in the same direction by the same distance is recommended. (e.g.: If you move one bracket to the direction A by 1 scale, do so for the other.)

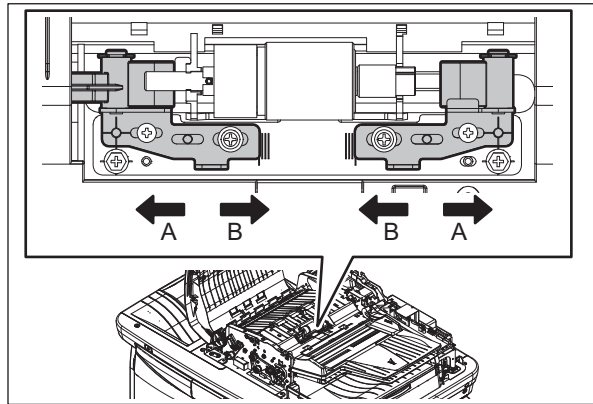


Fig.6-130

- (7) Tighten the screw that temporarily screwed.

7. PREVENTIVE MAINTENANCE (PM)

7.1 General Description

The purpose of preventive maintenance (PM) is to maintain the quality level of this equipment by periodically inspecting and cleaning this equipment and also replacing the parts whose replacement timing has come according to the maintenance contract. There are PM kits packaged for each unit or a group of parts with the same replacement number of output pages, allowing you to carry out efficient parts replacement.

Also to maintain the quality level of the equipment, overhauling is required when a specified number of pages has been printed or when a specified period of time has passed, regardless of the number of output pages.

7.2 PM Display

7.2.1 General Description

The maintenance timing for the PM parts of the process unit, such as the drum and main charger needle, and the PM parts of the units other than the process unit, such as the 2nd transfer roller and fuser belt varies depending on the conditions of the use, such as the ratio of color/black printing. Therefore, this equipment shows the appropriate maintenance timing of each part on the control panel LCD.

7.2.2 PM Display Conditions

The conditions of the PM display consist of the codes of the setting mode (08) for “the setting value treated as a threshold of the PM display”, “the counter indicating the current number of prints and driving time” and “the setting value which determines the display conditions”.

The PM timing is displayed when the counter exceeds the setting value according to the display condition based on “the setting value which determines the display conditions”.

- Setting value treated as a threshold of the PM display

Notes:

When “0” is entered as the setting value, PM timing is not displayed.

- 08-6190 : Setting value of PM counter [process unit (K)]
- 08-6191 : Setting value of PM time counter [process unit (K)]
- 08-6192 : Setting value of PM counter [process unit (Y)]
- 08-6193 : Setting value of PM time counter [process unit (Y)]
- 08-5550 : Setting value of PM counter [process unit (M)]
- 08-5551 : Setting value of PM time counter [process unit (M)]
- 08-5552 : Setting value of PM counter [process unit (C)]
- 08-5553 : Setting value of PM time counter [process unit (C)]
- 08-5562 : Setting value of PM counter [parts other than the PM parts of the process unit]
- 08-5563 : Setting value of PM time counter [parts other than the PM parts of the process unit]

- Counter indicating the current number of prints and driving time
 - 08-6194 : Current value of PM counter [process unit (K)]
 - 08-6195 : Current value of PM time counter [process unit (K)]
 - 08-6196 : Current value of PM counter [process unit (Y)]
 - 08-6197 : Current value of PM time counter [process unit (Y)]
 - 08-5564 : Current value of PM counter [process unit (M)]
 - 08-5565 : Current value of PM time counter [process unit (M)]
 - 08-5566 : Current value of PM counter [process unit (C)]
 - 08-5567 : Current value of PM time counter [process unit (C)]
 - 08-5576 : Current value of PM counter [parts other than the PM parts of the process unit]
 - 08-5577 : Current value of PM time counter [parts other than the PM parts of the process unit]
- Setting value which determines the display conditions
 - 08-6198 : Switching of output pages/driving counts at PM [process unit (K)]
 - 08-5578 : Switching of output pages/driving counts at PM [process unit (Y)]
 - 08-5579 : Switching of output pages/driving counts at PM [process unit (M)]
 - 08-5580 : Switching of output pages/driving counts at PM [process unit (C)]
 - 08-5585 : Switching of output pages/driving counts at PM [parts other than the PM parts of the process unit]

7.2.3 PM Display Contents

When the counter value exceeds the setting value, the equipment notifies you of when the maintenance time has come by displaying the message “Time for periodic maintenance *****” on the control panel LCD. “*****” in the message is a 4-digit hexadecimal number code. This number is allocated in the following manner, therefore the parts needing maintenance can be identified.

PM parts of the process unit (K)	: 0008
PM parts of the process unit (Y)	: 0001
PM parts of the process unit (M)	: 0002
PM parts of the process unit (C)	: 0004
Parts other than the PM parts of the process unit	: 0100

If multiple parts have reached the maintenance time, the sum of the corresponding code values listed above is displayed in hexadecimal numbers.

For example, if the peripheral parts of the process units (K) and (C) reach the maintenance time, the 4-digit hexadecimal number code will be “000C” in hexadecimal numbers: 0008+0004=000C.

4th digit	3rd digit		2nd digit		1st digit	
	None	Part (transfer roller)	Developer material		Photoconductive drum	
	Hexadecimal number code	Explanation	Hexadecimal number code	Explanation	Hexadecimal number code	Explanation
Always “0”	0	No maintenance required	0	No maintenance required	0	No maintenance required
	1	Maintenance required	1	Y	1	Y
			2	M	2	M
			3	M+Y	3	M+Y
			4	C	4	C
			5	Y+C	5	Y+C
			6	C+M	6	C+M
			7	Y+M+C	7	Y+M+C
			8	K	8	K
			9	K+Y	9	K+Y
			A	K+M	A	K+M
			B	K+M+Y	B	K+M+Y
			C	K+C	C	K+C
			D	K+Y+C	D	K+Y+C
			E	K+C+M	E	K+C+M
			F	K+Y+M+C	F	K+Y+M+C

7.2.4 Counter Clearing

The counter indicating “current number of prints and driving time” used for the PM display function is reset by entering “0” in it or clearing it in the PM support mode.

Notes:

Even if “0” is entered in the PM management setting value of the setting mode (08), the corresponding counter for the PM display is not reset. Be sure to clear the counter in the PM support mode when the maintenance is finished.

The reset condition of each counter is as follows:

- 08-6194: Current value of PM counter [process unit (K)]
- 08-6195: Current value of PM time counter [process unit (K)]
When the current value of “CLEANER/DRUM/CHARGER (K)” on the main screen or “DRUM (K)” on the sub-screen in the PM support mode is cleared, the counter is reset.

- 08-6196: Current value of PM time counter [process unit (Y)]
- 08-6197: Current value of PM time counter [process unit (Y)]
When the current value of “CLEANER/DRUM/CHARGER (Y)” on the main screen or “DRUM (Y)” on the sub-screen in the PM support mode is cleared, the counter is reset.

- 08-5564: Current value of PM counter [process unit (M)]
- 08-5565: Current value of PM time counter [process unit (M)]
When the current value of “CLEANER/DRUM/CHARGER (M)” on the main screen or “DRUM (M)” on the sub-screen in the PM support mode is cleared, the counter is reset.

- 08-5566: Current value of PM counter [process unit (C)]
- 08-5567: Current value of PM time counter [process unit (C)]
When the current value of “CLEANER/DRUM/CHARGER (C)” on the main screen or “DRUM (C)” on the sub-screen in the PM support mode is cleared, the counter is reset.

- 08-5576: Current value of PM counter [parts other than the PM parts of the process unit]
- 08-5577: Current value of PM time counter [parts other than the PM parts of the process unit]
When the current value of “2nd TRANSFER” on the main screen or “2nd TRANSFER ROLLER” on the sub screen in the PM support mode is cleared, the counter is reset.

7.3 General Descriptions for PM Procedure

(1) Preparation

- Ask the user about the current conditions of the equipment and note them down.
- Before starting maintenance, make some sample copies and store them.
- See the replacement record and check the parts to be replaced in the PM support mode (6S-2) or list printing mode (9S-103).

6S : [6] + [START] + [POWER] ON

9S-103 : [9] + [START] + [POWER] ON → [103] → [START]

UNIT	OUTPUT PAGES DEVELOP COUNTS	PM OUTPUT PAGES DEVELOP COUNTS	DRIVE COUNTS	PM DRIVE COUNTS
DRUM(K)	9020	275000	24911	285000
DRUM BLADE(K)	9020	275000	24911	285000
GRID(K)	9020	275000	24911	285000
MAIN CHARGER NEEDLE(K)	9020	275000	24911	285000
CHARGER CLEANING PAD(K)	9020	275000	24911	285000
DRUM(Y)	6208	275000	21136	285000
DRUM BLADE(Y)	6208	275000	21136	285000
GRID(Y)	6208	275000	21136	285000
MAIN CHARGER NEEDLE(Y)	6208	275000	21136	285000
CHARGER CLEANING PAD(Y)	6208	275000	21136	285000
DRUM(M)	6208	275000	21136	285000
DRUM BLADE(M)	6208	275000	21136	285000
GRID(M)	6208	275000	21136	285000
MAIN CHARGER NEEDLE(M)	6208	275000	21136	285000
CHARGER CLEANING PAD(M)	6208	275000	21136	285000
DRUM(C)	6208	275000	21136	285000
DRUM BLADE(C)	6208	275000	21136	285000
GRID(C)	6208	275000	21136	285000
MAIN CHARGER	6208	275000	21136	285000
		275000	21136	285000

Fig. 7-1

- Turn OFF the power and make sure to unplug the equipment.
- (2) Perform a preventive maintenance using the following checklist and illustrations.
 - (3) Plug in the equipment after the maintenance has been finished. Then turn ON the power and make some copies to confirm that the equipment is working properly.

7.4 PM Support Mode

7.4.1 General Description

This equipment has a PM support mode which enables you to confirm the use status of each part (the number of output pages or developed pages, and drive counts) requiring periodic replacement and also the replacement record, as well as resetting counter values efficiently. This record can be printed out in the list print mode.

7.4.2 Operational flow

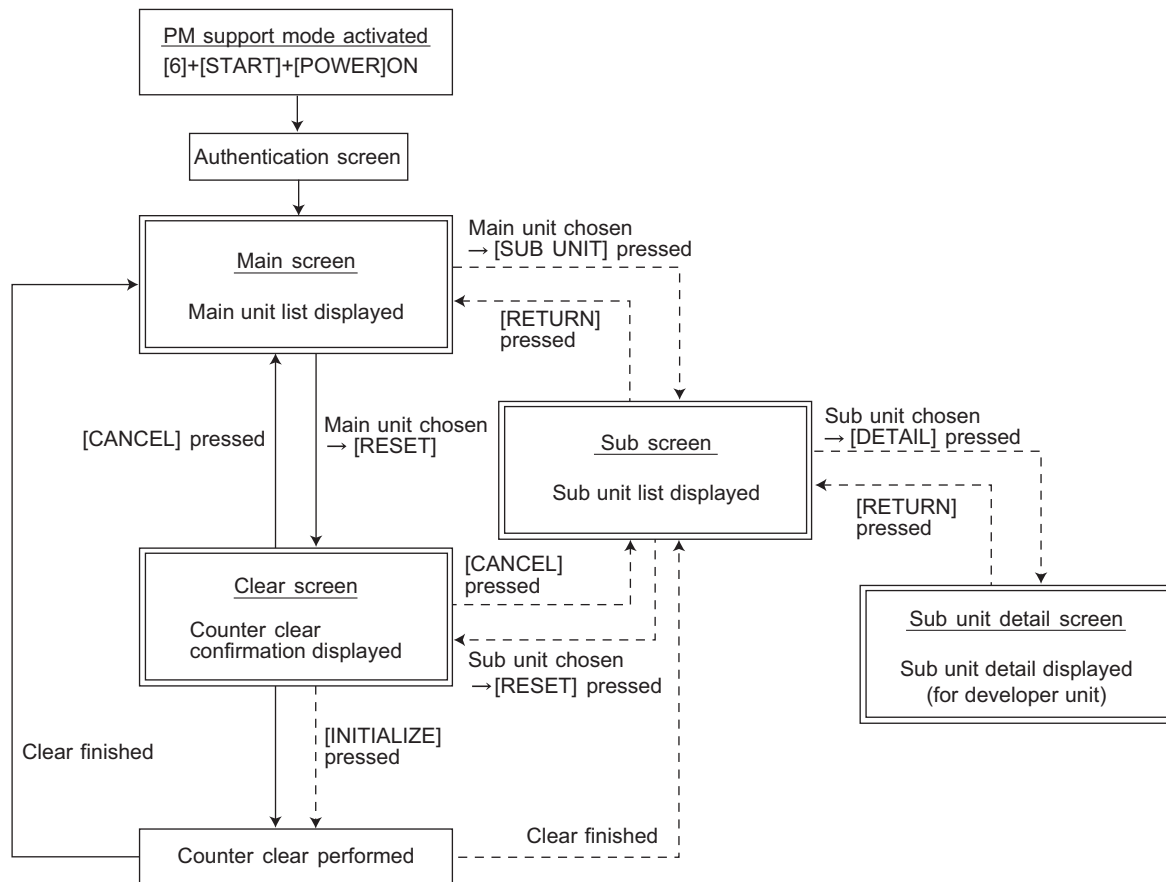


Fig. 7-2

- * When the authentication screen appears, press [OK]. (Enter the password, if one has been set.)
- * The screen goes back to the main screen when the counter clear is performed or the [CANCEL] button is pressed after moving from the main screen, while it goes back to the sub screen after moving from the sub screen.

7.4.3 Operational screen

The description of the display (including the function of each button) on the LCD screen is shown below.

1. Main screen

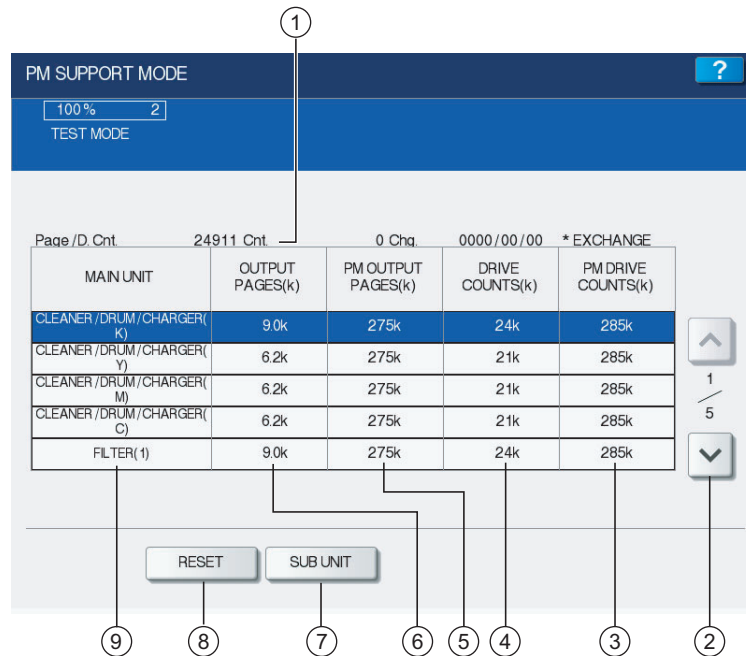


Fig. 7-3

- ① Displaying of the number of printed / developed pages (Page/D. cnt), drive counts (Cnt.) and previous replacement date (Chg.) for a chosen unit
When the replacement date for the sub unit is different, press the [SUB UNIT] button to move to the sub screen and see each information, otherwise information is not displayed
- ② Moving to the next/previous page
- ③ Displaying of the standard number of drive counts to replace the unit parts
- ④ Displaying of the present drive counts
“*” is displayed next to the present number when the number of drive counts has exceeded its PM standard number.
- ⑤ Displaying of the standard number of printed / developed pages to replace the unit parts
- ⑥ Displaying of the present number of printed / developed pages
When there are differences among the sub units (parts), “-” is displayed and “CHECK SUBUNIT” is displayed at the top
“*” is displayed next to the present number when the number of printed / developed pages has exceeded its PM standard number.
- ⑦ Moving to the sub screen of the selected unit
- ⑧ Moving to the clear screen to clear the selected unit counters ④ and ⑥, including all sub unit (parts) counters belonging to that unit When the unit is not selected, all counters are cleared.
- ⑨ Displaying of the main unit name

Notes:

- “—” is always displayed at the drive counts section for the reversing automatic document feeder (RADF) and feed unit.
- “0” is displayed at the numeric section for the paper source which is not installed since the paper source is different depending on the structure of options.

2. Sub screen (for other than the developer unit)

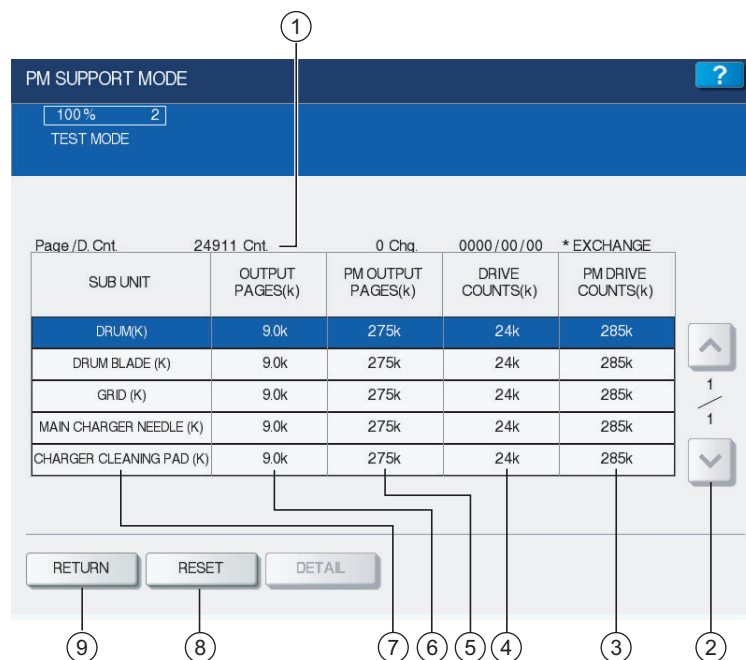


Fig. 7-4

- ① Displaying of the number of printed / developed pages and drive counts and previous replacement date for a chosen sub unit
- ② Moving to the next/previous page
- ③ Displaying of the standard number of drive counts to replace the sub unit (parts)
- ④ Displaying of the present drive counts
“**” is displayed next to the present number when the number of drive counts has exceeded its PM standard number.
- ⑤ Displaying of the standard number of printed / developed pages to replace the sub unit (parts)
- ⑥ Displaying of the present number of printed / developed pages
“**” is displayed next to the present number when the number of printed / developed pages has exceeded its PM standard number.
- ⑦ Displaying of the sub unit (parts) name
- ⑧ Moving to the clear screen to clear the selected unit (parts) counters
- ⑨ Back to the main screen

3. Sub screen (for the developer unit)

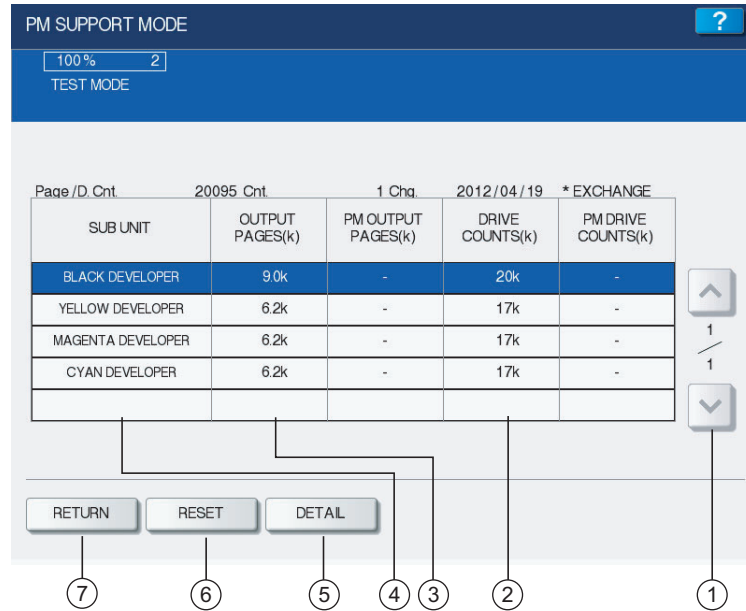


Fig. 7-5

- ① Moving to the next/previous page
- ② Displaying of the present drive counts
- ③ Displaying of the present number of print / developer pages
- ④ Displaying of the sub unit (parts) name
- ⑤ Moving to the sub unit detail screen of the developer unit
- ⑥ Moving to the clear screen to clear the selected unit (parts) counters
Be sure to clear the counter after the selected sub unit (developer) is replaced.
- ⑦ Back to the main screen

Notes:

“—” is displayed since there is no standard number in the number of printed / developed pages and drive count.

4. Sub unit detail screen (for the developer material)

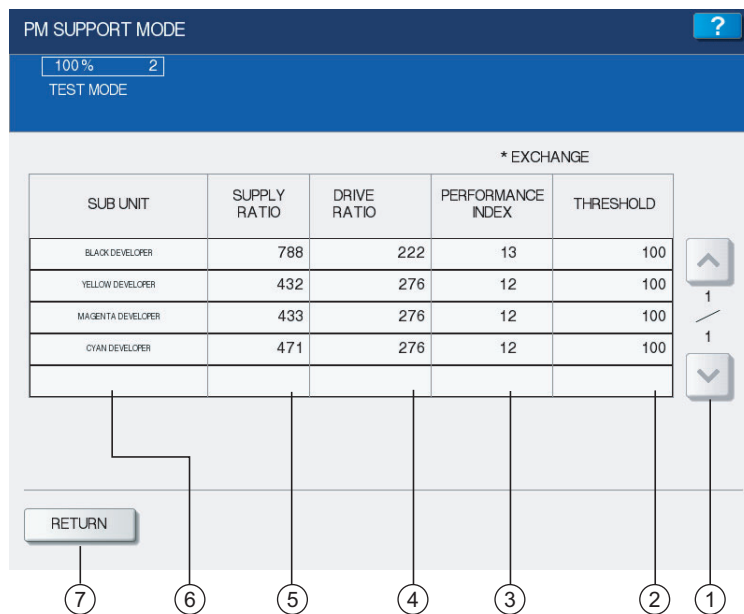


Fig. 7-6

- ① Moving to the next/previous page
- ② Displaying of the threshold number of performance index
- ③ Displaying of the present number of performance index
“*” is displayed next to the present number of the performance index if it has exceeded its threshold number.
- ④ Displaying of the present number of drive ratio
- ⑤ Displaying of the present number of supply ratio
- ⑥ Displaying of the sub unit (parts) name
- ⑦ Back to the sub unit screen

5. Clear screen

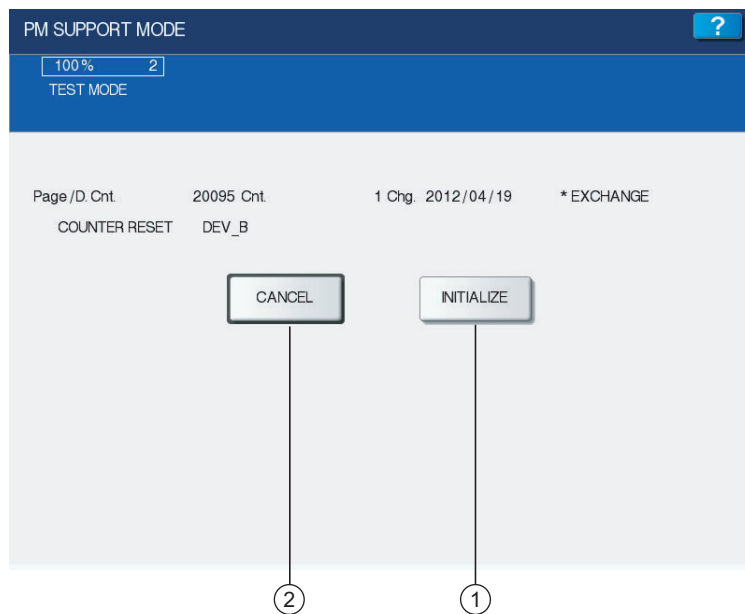


Fig. 7-7

- ① When the [INITIALIZE] button is pressed, “Present number of printed / developed pages” and Present driving counts” are cleared and “Previous replacement date” is updated.
- ② When the [CANCEL] button is pressed, the counter is not cleared and the display returns to the main or sub screen.

7.4.4 Access tree

The relation between the main unit and the sub unit is shown below.

Notes:

Some parts in this manual are described with different names on the LCD screen. In this case, the name in this manual is indicated in square brackets [].

Main screen	Sub-screen
CLEANER/DRUM/CHARGER (K) [Process unit (K)]	DRUM (K) DRUM BLADE (K) [Drum cleaning blade] GRID (K) [Main charger grid] MAIN CHARGER NEEDLE (K) [Needle electrode] CHARGER CLEANING PAD (K) [Needle electrode cleaner]
CLEANER/DRUM/CHARGER (Y) [Process unit (Y)]	DRUM (Y) DRUM BLADE (Y) [Drum cleaning blade] GRID (Y) [Main charger grid] MAIN CHARGER NEEDLE (Y) [Needle electrode] CHARGER CLEANING PAD (Y) [Needle electrode cleaner]
CLEANER/DRUM/CHARGER (M) [Process unit (M)]	DRUM (M) DRUM BLADE (M) [Drum cleaning blade] GRID (M) [Main charger grid] MAIN CHARGER NEEDLE (M) [Needle electrode] CHARGER CLEANING PAD (M) [Needle electrode cleaner]
CLEANER/DRUM/CHARGER (C) [Process unit (C)]	DRUM (C) DRUM BLADE (C) [Drum cleaning blade] GRID (C) [Main charger grid] MAIN CHARGER NEEDLE (C) [Needle electrode] CHARGER CLEANING PAD (C) [Needle electrode cleaner]
FILTER (1)	OZONE FILTER 1
FILTER (2)	TONER FILTER OZONE FILTER 2
FILTER (3)	VOC FILTER 1 VOC FILTER 2
DEVELOPER	BLACK DEVELOPER [Developer material K] YELLOW DEVELOPER [Developer material Y] MAGENTA DEVELOPER [Developer material M] CYAN DEVELOPER [Developer material C]
TRANSFER BELT CLEANER [Transfer belt cleaning unit]	BELT BLADE [Transfer belt cleaning blade] CLEANING PAD [2nd transfer facing roller cleaning pad]
2nd TRANSFER (1)	2nd TRANSFER ROLLER 2nd TRANSFER BLADE [2nd transfer roller cleaning blade] 2nd TRANSFER LUBRICANT UNIT
2nd TRANSFER (2)	2nd TRANSFER TONER BAG
FUSER (1)	FUSER ROLLER FUSER BELT FUSER BELT GUIDE
FUSER (2)	PRESS ROLLER PRESS ROLLER FINGER
1st CST. [1st drawer]	PICK UP ROLLER (1st CST.) FEED ROLLER (1st CST.) SEP ROLLER (1st CST.) [Separation roller]
2nd CST. [2nd drawer]	PICK UP ROLLER (2nd CST.) FEED ROLLER (2nd CST.) SEP ROLLER (2nd CST.) [Separation roller]
3rd CST. [3rd drawer]	PICK UP ROLLER (3rd CST.) FEED ROLLER (3rd CST.) SEP ROLLER (3rd CST.) [Separation roller]
4th CST. [4th drawer]	PICK UP ROLLER (4th CST.) FEED ROLLER (4th CST.) SEP ROLLER (4th CST.) [Separation roller]

Main screen	Sub-screen
SFB [Bypass unit]	PICK UP ROLLER (SFB) FEED ROLLER (SFB) SEP ROLLER (SFB) [Separation roller]
T-LCF [Tandem LCF]	PICK UP ROLLER (T-LCF) FEED ROLLER (T-LCF) SEP ROLLER (T-LCF) [Separation roller]
O-LCF [Option LCF]	PICK UP ROLLER (O-LCF) FEED ROLLER (O-LCF) SEP ROLLER (O-LCF) [Separation roller]
RADF	PICK UP ROLLER (RADF) FEED ROLLER (RADF) SEP ROLLER (RADF) [Separation roller]

Notes:

When the counter value of any of the pickup roller, feed roller and separation roller in each unit is reset, the value of the feeding retry counter is also reset simultaneously. When the [RESET] button is pressed after selecting the feed unit in the Main Screen, the value of the feeding retry counter is also reset simultaneously.

The feeding retry counter:

- 1st drawer Reset the feeding retry counter (08-6230)
- 2nd drawer Reset the feeding retry counter (08-6231)
- 3rd drawer Reset the feeding retry counter (08-6232)
- 4th drawer Reset the feeding retry counter (08-6233)
- Bypass unit Reset the feeding retry counter (08-6234)
- T-LCF Reset the feeding retry counter (08-6235)
- O-LCF Reset the feeding retry counter (08-6242)

7.5 General Description

The life span of the parts changes depending on their general use, such as the ratio of the color/black printing or the adjustment for keeping the printing quality. Therefore, it is necessary to consider not only the number of printed/developed pages but also the drive counts when deciding the timing for parts replacement. Even if the number of printed / developed pages has reached the level of replacement, for instance, the part may still be usable with its drive counts not reaching the specified drive counts. On the other hand, the part may need replacement even if the number of printed / developed pages has not reached the level of replacement with its driving time exceeding the specified drive counts. The life span of some parts such as feed roller is heavily dependent on the number of output pages rather than the drive counts.

The following work flow diagram shows how to judge the timing of replacement with the number of printed / developed pages.

Example 1:

When the number of printed / developed pages has reached the specified level

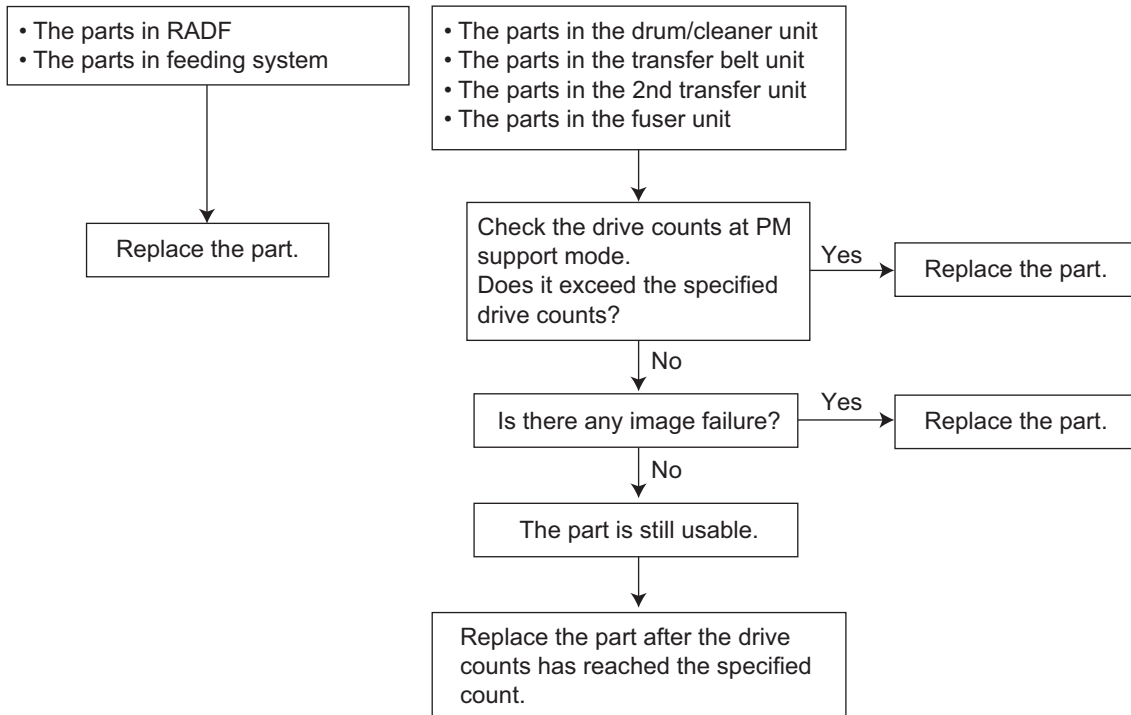


Fig. 7-8

Example 2:

When the image failure occurred before the number of printed / developed pages has reached the specified level

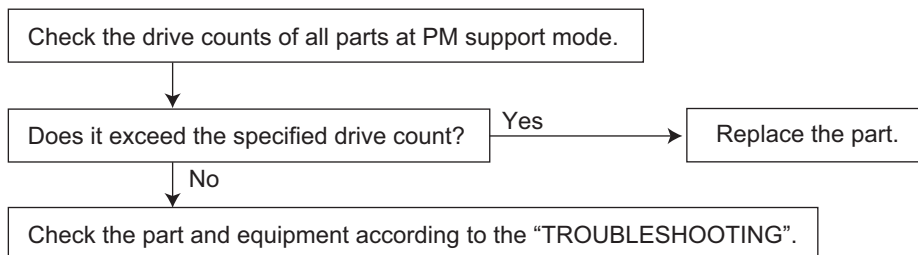


Fig. 7-9

Example 3:

When the performance index of the developer exceeds its threshold number

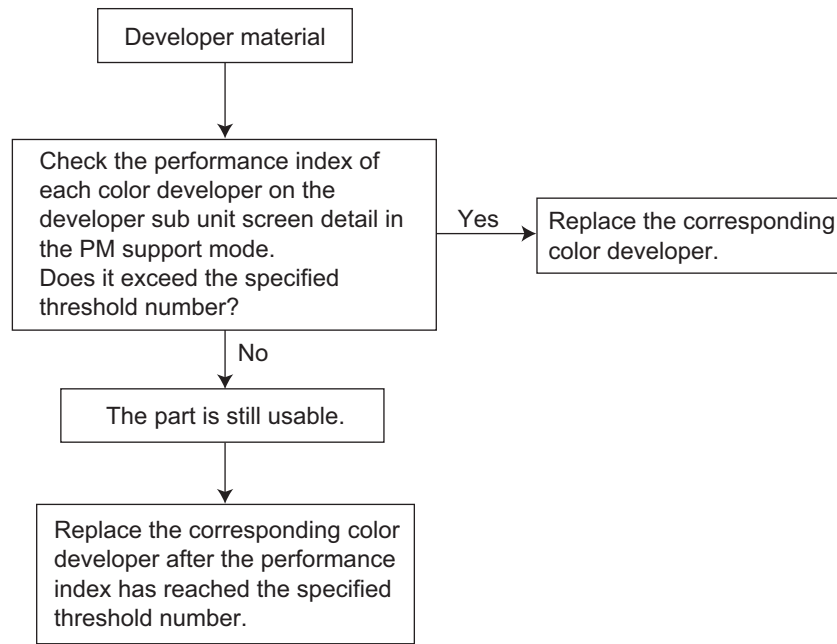


Fig. 7-10

Example 4:

When an image failure occurs though the performance index does not exceed the threshold number

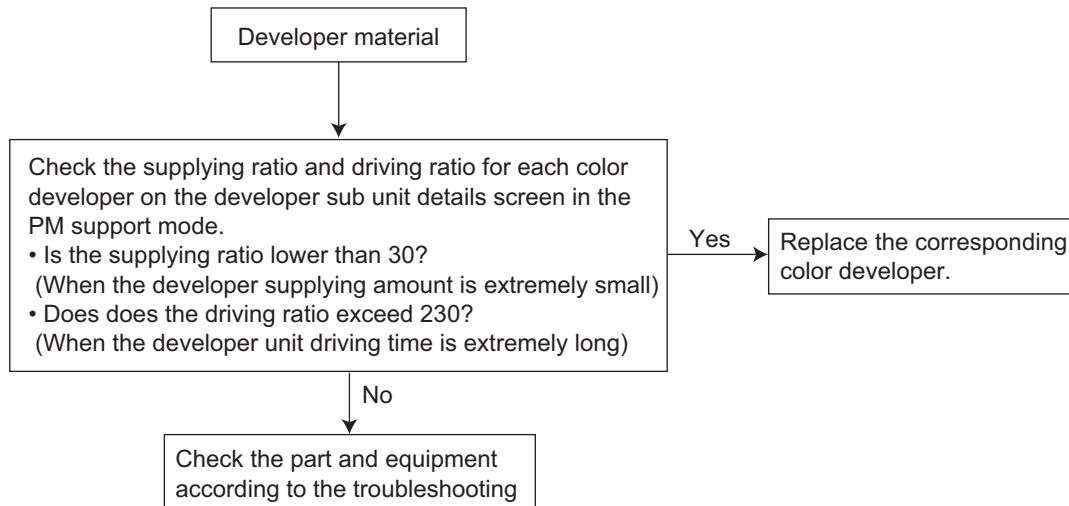


Fig. 7-11

7.6 Preventive Maintenance Checklist (e-STUDIO5540C/6540C/6550C)

Symbols/value used in the checklist

Cleaning	Lubrication/Coating	Replacement	Operation check
A: Clean with alcohol B: Clean with soft pad, cloth or vacuum cleaner	L: Launa 40 SI: Silicon oil W1: White grease (Molykote EM-30L) W2: White grease (Molykote HP-300) AV: Alvania No.2 FL: Floil (GE-334C)	Value: Replacement cycle R: Replace if deformed or damaged	O: After cleaning or replacement, confirm there is no problem.

Notes:

1. Perform cleaning and lubricating in the following timing. Lubricate the replacement parts according to the replacement cycle.

Model name	Black	Full color
e-STUDIO5540C	every 225,000 sheets	every 225,000 sheets
e-STUDIO6540C	every 250,000 sheets	every 250,000 sheets
e-STUDIO6550C	every 275,000 sheets	every 275,000 sheets

2. The value in the "Replacement" field of the table below indicates the replacement number of output pages in either the black or the full color mode. If they differ according to the model, they are indicated in the order of the e-STUDIO5540C, e-STUDIO6540C and e-STUDIO6550C.
3. The replacement cycle of the parts in the feeding section equals to the number of sheets fed from each paper source.
4. Be careful not to put oil on the rollers, belts and belt pulleys when lubricating.
5. Parts list <P-I> represents the page item in "e-STUDIO5540C/6540C/6550C Service Parts List".
6. Check if the toner supply opening of each sub-hopper, the shutter of the waste toner box and the entrance of the waste toner transport path are dirty every time you pull out the process unit or take off the drum cleaner unit or the developer unit. Clean them if required.
7. When the entire drum cleaner unit is replaced, install the color chips of the old unit to the new drum cleaner unit.
8. When you pull out the process unit and then set it back to the equipment, perform the code 05-2416 (forcible mixing in the developer unit) from 20 to 30 seconds to mix the developer material.

7.6.1 Scanner

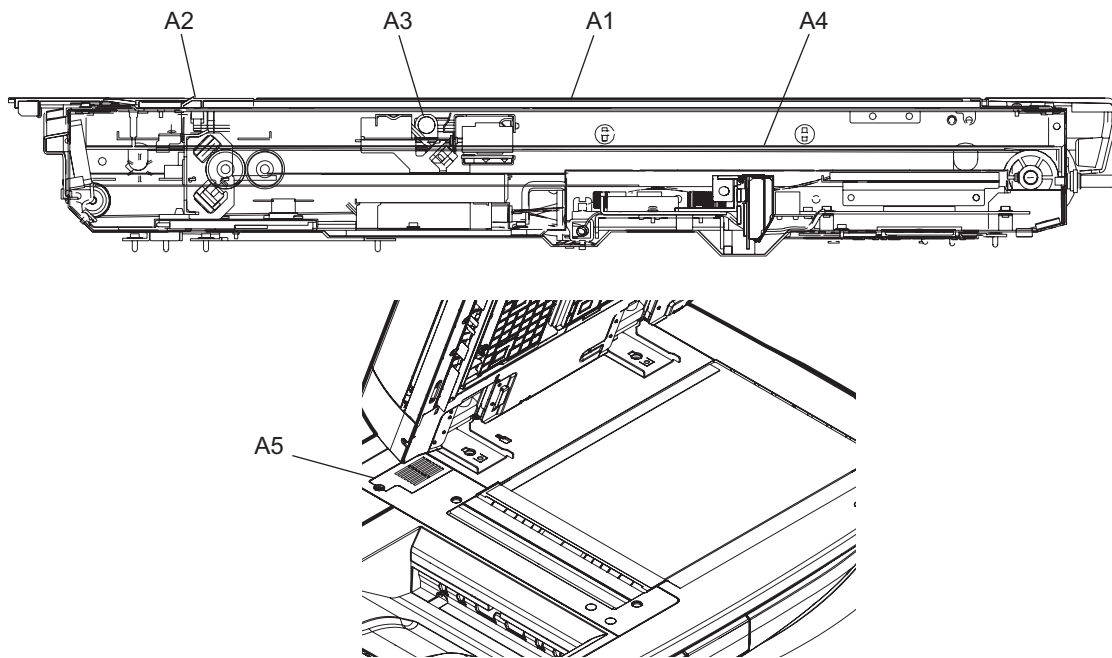


Fig. 7-12

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
A1	Original glass	B					51-15
A2	RADF original glass	B					51-18
A3	Exposure lamp			R	R	O	52-9
A4	Slide sheet (front and rear)			R	R		
A5	Filter cover	B					1-36

- * A1: Original glass, A2: RADF original glass
Clean both sides of the original glass and RADF original. Make sure that there is no dust on the mirrors-1, -2, -3 and lens after cleaning. Then install the original glass and RADF original glass.

Notes:

Make sure that there is no fingerprints or oil staining on part of the original glass on where the original scale is mounted since the shading correction plate is located below the scale to be scanned.

7.6.2 Feed unit

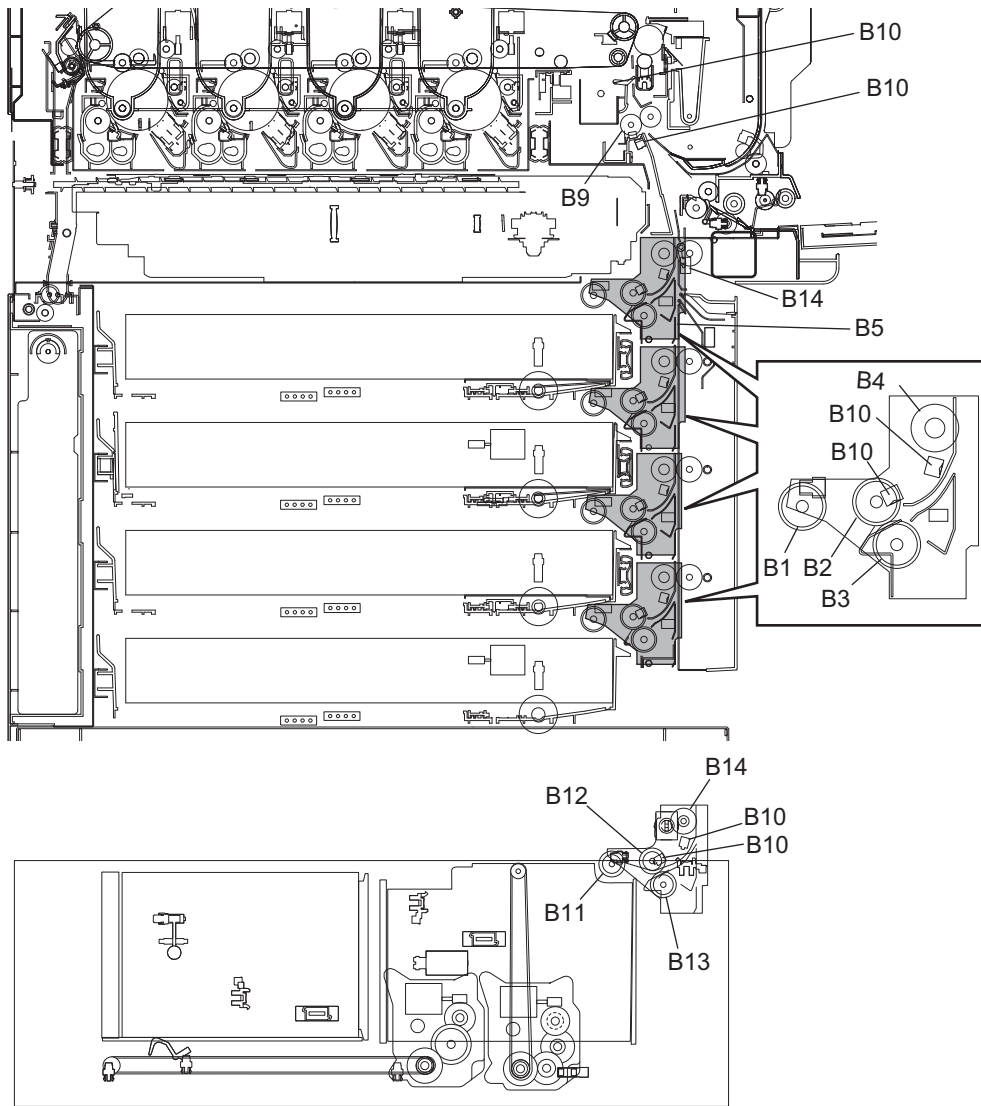


Fig. 7-13

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
B1	Pickup roller			200	-		11-36
B2	Feed roller			200	-		11-36
B3	Separation roller			200	-		11-35
B4	Transport roller	A		R	R		11-22
B5	Paper guide	B					
B6	Drive gear (tooth face and shaft)		W1				
B7	GCB bushing bearing		L				
B8	One side of the plastic bushing to which the shaft is inserted		W1				
B9	Registration roller (metal)	A		R	R		10-1
B10	Sensor section	A					
B11	Pickup roller (Tandem LCF)			400	-		11-36
B12	Feed roller (Tandem LCF)			400	-		11-36
B13	Separation roller (Tandem LCF)			400	-		11-35
B14	Transport roller (Tandem LCF)	A		R	R		11-22

* B6: Drive gear

Apply some white grease (Molykote EM-30L) to the teeth of gears and shafts of the drive gears.

Notes:

Make sure that oil is not running over or scattered around as the gear is rotated coming into the clutch after applying molykote to the gear which is located near the clutch. The quantity of molykote should be smaller than that to be applied to the other parts.

7.6.3 Duplexing unit

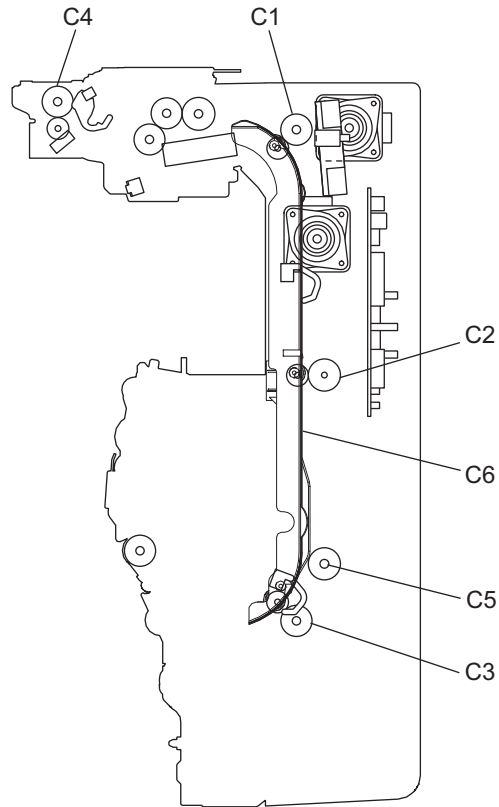


Fig. 7-14

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
C1	ADU transport roller 1	A		R	R		18-6
C2	ADU transport roller 2	A		R	R		18-5
C3	ADU transport roller 3	A		R	R		18-7
C4	Duplexing bridge transport roller	A		R	R		20-12
C5	Pulley stud		W1				
C6	Paper guide	B					19-2

7.6.4 Bypass feed unit

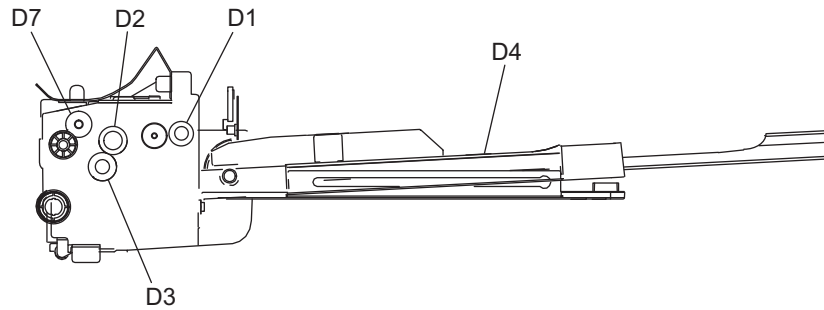


Fig. 7-15

Items to check	Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
			(x 1,000 sheets)	(x 1,000 drive counts)		
D1	Pickup roller		100	-		15-15
D2	Feed roller		100	-		15-10
D3	Separation roller	AV, W2	100	-		16-43
D4	Bypass tray	B				17-5
D5	Drive gear (shaft)	W1				
D6	GCB bushing bearing	L				
D7	Transport roller	A	R	R		15-8

* D3: Separation roller

Apply an even coat of grease (Alvania No.2) to all round the inside of the spring.

When replacing the separation roller, apply 1 rice-sized grain of white grease (Molykote HP-300) on the places of the holder shown in the figure (4 places).

Notes:

Make sure that the grease does not adhere to the roller surface. Wipe it off with alcohol if adhered.

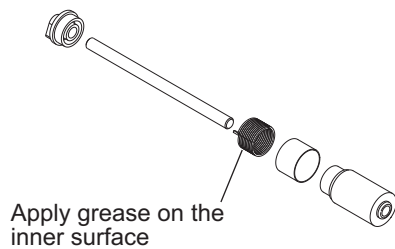


Fig. 7-16

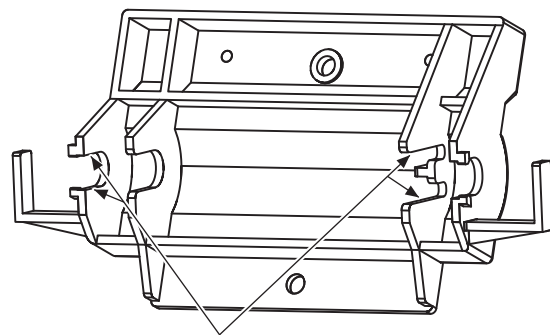


Fig. 7-17

7.6.5 Main charger

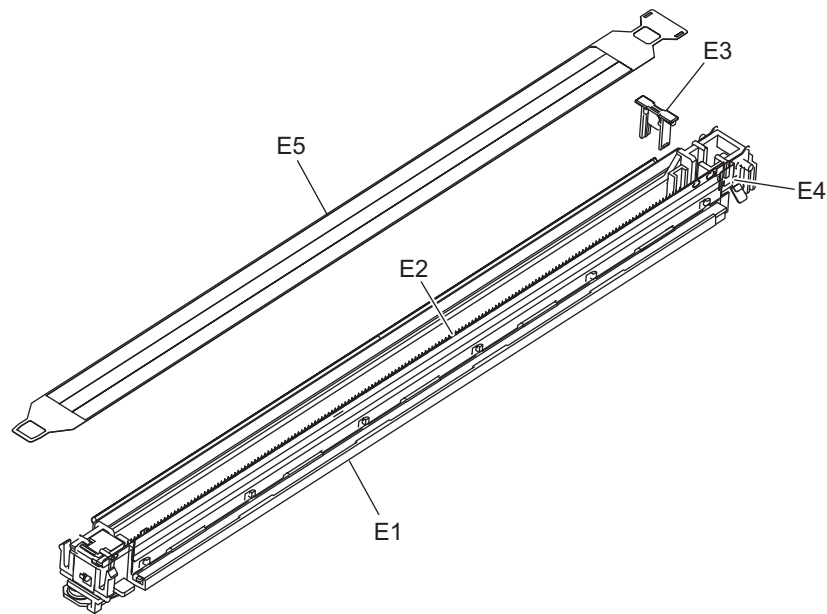


Fig. 7-18

Items to check	Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
			(x 1,000 sheets)	(x 1,000 drive counts)		
E1 Main charger case	B					64-1
E2 Needle electrode			248/275/303	314	O	64-13
E3 Needle electrode cleaner			248/275/303	314	O	64-16
E4 Contact point of terminals	B					64-2
E5 Main charger grid			248/275/303	314	O	64-17

* E1: Main charger case

Clean the main charger case with a cloth soaked in water and squeezed tightly, and then wipe them with a dry cloth.

7.6.6 Drum / Cleaner unit / Filter

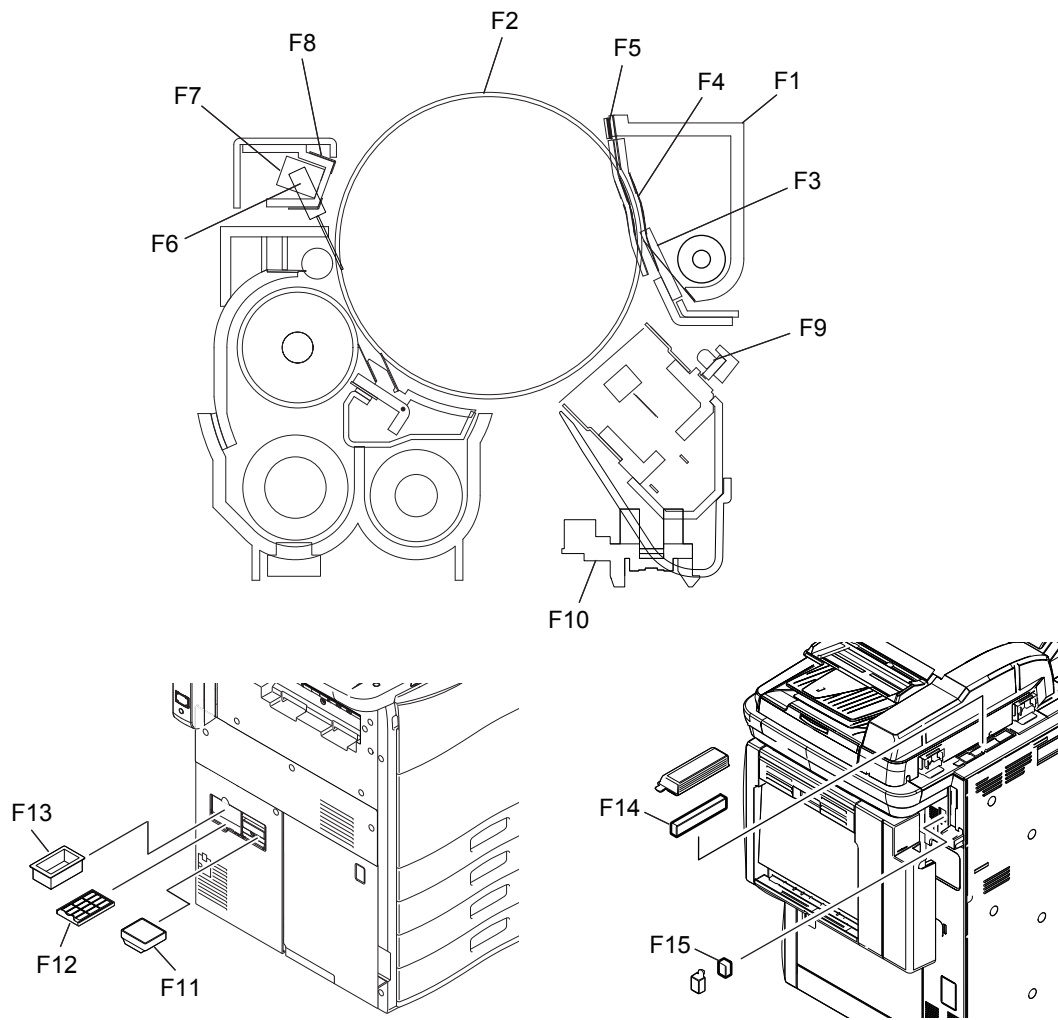


Fig. 7-19

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
F1	Whole cleaner unit	B					
F2	Drum			248/275/303	314		203-1
F3	Drum cleaning blade			248/275/303	314		63-21
F4	Blade side seal			R	R		63-23
F5	Recovery blade	B		R	R		63-25
F6	Drum thermistor	B					59-27
F7	Drum surface potential (V0) sensor	B					59-22
F8	Drum surface potential (V0) sensor shutter	B					59-24
F9	Discharge LED	B					64-20
F10	Needle electrode cleaner detection sensor	B					59-4
F11	Ozone filter-1			248/275/303	314		49-4
F12	Ozone filter-2			248/275/303	244		49-14
F13	Toner filter			248/275/303	244		49-11

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
F14	VOC filter-1			496/550/606	532		-
F15	VOC filter-2			496/550/606	532		-

* F1: Whole cleaner unit

Remove any toner on the waste toner section of the drum cleaner unit and the upper section of the EPU tray toner duct.

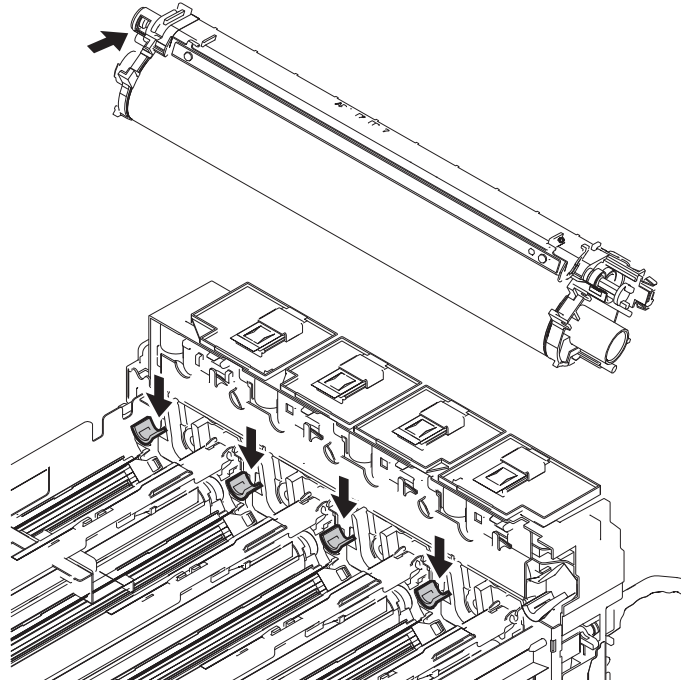


Fig. 7-20

* F2: Drum

1. Handling precautions

If fingerprints or oil adhere to the surface of the drum, its properties may degrade, affecting the quality of the copy image. So, wear gloves to avoid touching the drum surface with your bare hands. Be sure to handle the drum carefully when installing and removing it so as not to damage its surface.

After you installed the process unit to the equipment, there may be grease at the inner side of the drum flange (shown as "B" in the figure below) that was transferred from the drum coupling. So hold the levers (shown as "A" in the figure below) when you hold the drum or the drum cleaner unit. Do not hook your finger on the flange hole on the rear side.

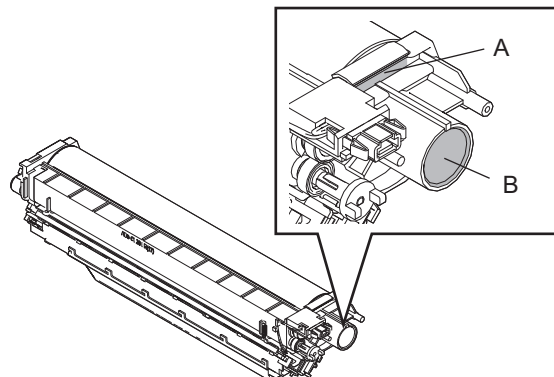


Fig. 7-21

2. Clearing the drum counter

When the drum has been replaced with a new one, the drum counter for the new drum (K, Y, M, C) must be cleared to 0 (zero). This clearing can be performed in PM support mode.

- Drum counter
 - Drum (K): 08-6250-0, 3, 6, 7
 - Drum (Y): 08-6252-0, 3, 6, 7
 - Drum (M): 08-6254-0, 3, 6, 7
 - Drum (C): 08-6256-0, 3, 6, 7

3. Storage location of drums

The drum should be stored in a dark place where the ambient temperature is between 10°C to 35°C (no condensation). Be sure to avoid places where drums may be subjected to high humidity, chemicals and/or their fumes.

Do not place the drum in a location where it is exposed to direct sunlight or high intensity light such as near a window. Otherwise the drum will fatigue, and will not produce sufficient image density immediately after being installed in the equipment.

4. Cleaning the drum

At periodic maintenance calls, wipe the entire surface of the drum clean using the designated cleaning cotton. Note that there is no need to clean the surface of the new drum unless there is a problem. Use sufficiently thick cleaning cotton (dry soft pad) so as not to scratch the drum surface inadvertently with your fingertips or nails. Also, remove your rings and wristwatch before starting cleaning work to prevent accidental damage to the drum.

Do not use alcohol, selenium refresher and other organic solvents or silicon oil as they will have an adverse effect on the drum.

Also clean the doctor blade when the drum is being replaced.

5. Scratches on drum surface

If the surface is scratched in such a way that the aluminum substrate is exposed, no copy image will be produced on this area. In addition, the cleaning blade will be damaged so replacement with a new drum will be necessary.

6. Collecting used drums

If the surface is scratched in such a way that the aluminum substrate is exposed, no copy image will be produced on this area. In addition, the cleaning blade will be damaged so replacement with a new drum will be necessary.

* F3: Drum cleaning blade

1. Handling precautions

Pay attention to the following points as the cleaning blade life is determined by the condition of its edge. Since the edge of the blade is vulnerable and can be easily damaged by factors such as the adherence of paper dust.

- Do not allow hard objects to hit or rub against blade edge.
- Do not rub the edge with a cloth or soft pad.
- Do not leave oil (or fingerprints, etc.) on the edge.
- Do not apply solvents such as paint thinner to the blade.
- Do not allow paper fibers or dirt to contact the blade edge.
- Do not place the blade near a heat source.

2. Cleaning procedure

Clean the blade edge with a cloth moistened with water and squeezed lightly.

Replace the cleaning blade with new ones if poor images are copied due to the damaged blade regardless of the number of output pages which have been made

* F4: Blade side seal

Be sure to attach the blade side seals according to the criteria in the figure below.

Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

Part B: Be sure not to have any gap since it would cause toner scattering.

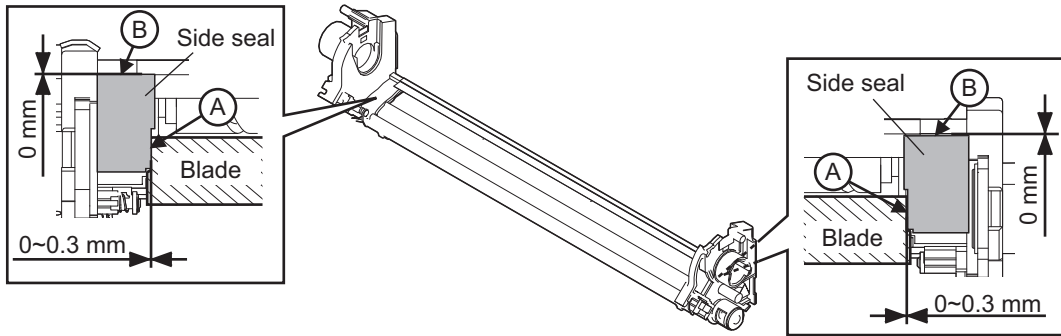


Fig. 7-22

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

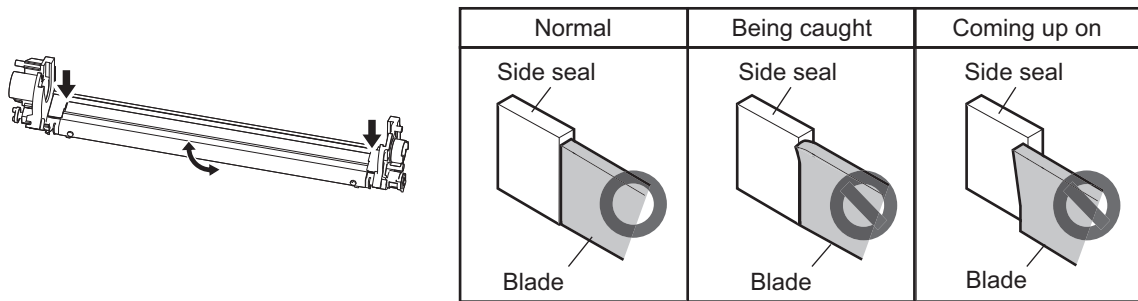


Fig. 7-23

* F5: Recovery blade

Clean the surface of the recovery blade with a soft pad or cloth, if dirt cannot be removed with a vacuum cleaner. If the edge of recovery blade is damaged, replace the blade regardless of the number of output pages.

Notes:

Never use water or alcohol for cleaning the transfer belt recovery blade.

* F7: Drum surface potential (VO) sensor / G8: Drum surface potential (VO) sensor shutter

Clean them with a vacuum cleaner.

Notes:

When cleaning them, be careful not to let any toner or developer material enter into the detecting section of each drum surface potential (VO) sensor.

* F13: Toner filter

If the toner filter is not replaced at the specified replacement timing, the suction efficiency against the scattered toner decreases, and thus it may cause suction failure and the amount of scattered toner in the equipment may increase. So be sure to replace it periodically.

7.6.7 Developer unit (K, Y, M, and C)

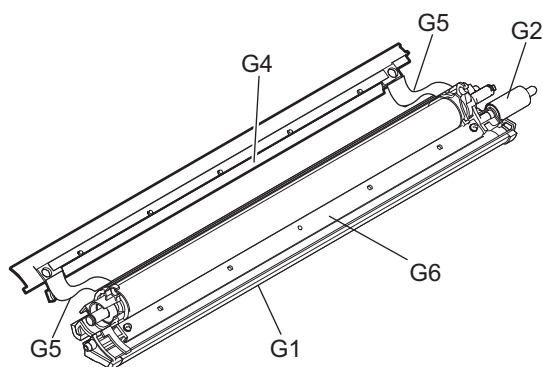


Fig. 7-24

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
G1	Developer unit	B					204-6
G2	Developer unit drive gear		W1				62-39
G3	Developer material			R	R		203-2
G4	Front shield	B		R	R		62-32
G5	Side shield	B		R	R		63-23 63-24
G6	Doctor blade	B		R	R		62-30

* G1: Developer unit

1. Cleaning

Clean the doctor blade so as to prevent developer material from adhering to it when the drum is being replaced.

Space the front shield from the developer sleeve and then insert a doctor blade cleaning jig into the doctor sleeve gap. Then clean the doctor blade by running the jig for 3 times to and fro along with the edge of the blade.

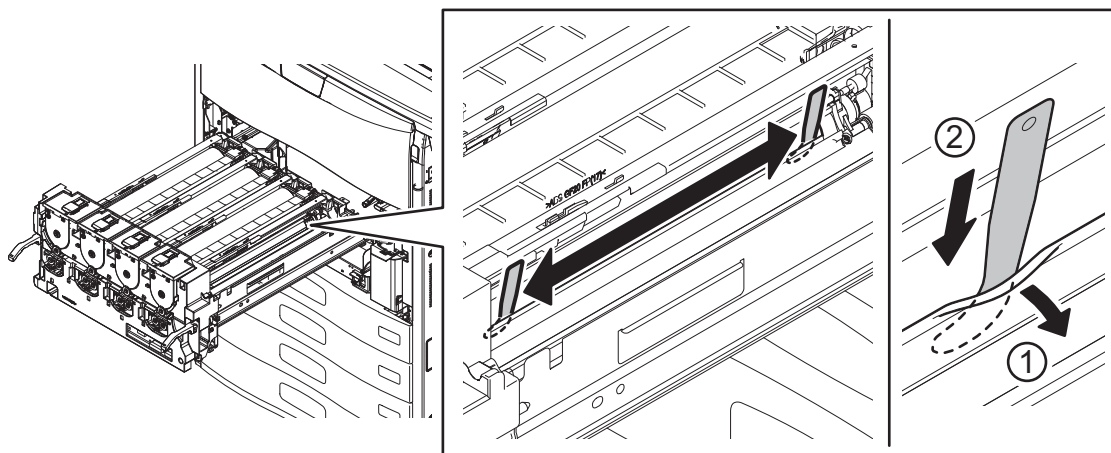


Fig. 7-25

2. Removal of foreign matter in the developer unit

(1) Pull out the process unit (EPU).

(2) Lift up the urethane sheet.

(3) Insert the cleaning jig all the way in the developer unit at a position approx. 30 mm away from the white streak.

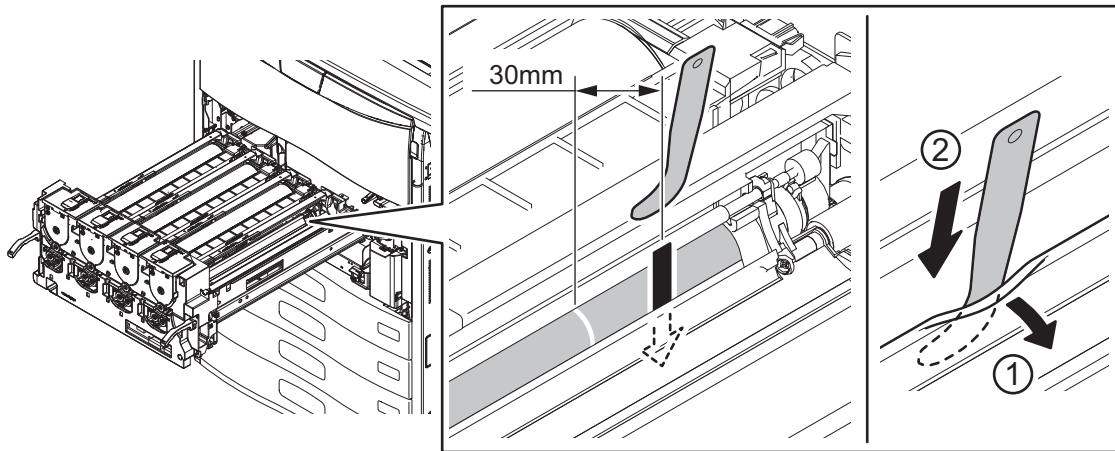


Fig. 7-26

(4) Slide the cleaning jig to where the white streak appears.

(5) Pull out the cleaning jig while manually turning the gear to rotate the developer sleeve.

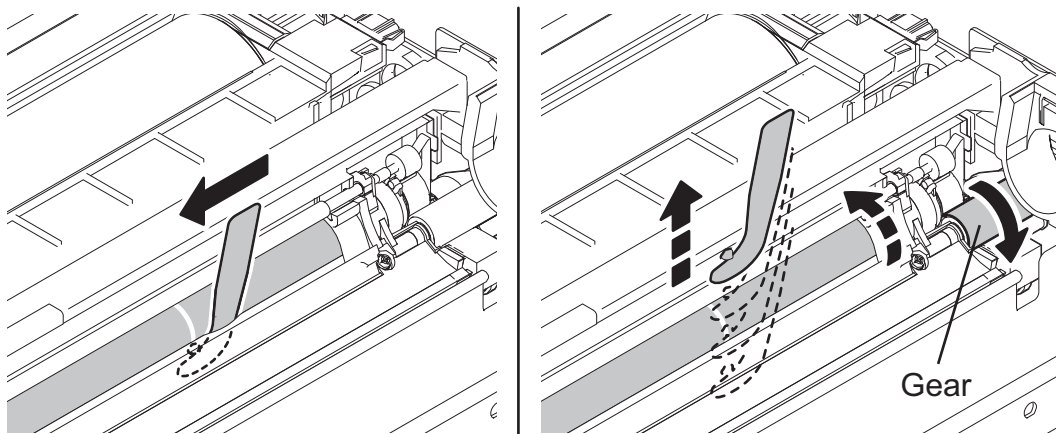


Fig. 7-27

Tip:

If foreign matter is not removed by the above procedure, take off the developer unit, discharge the developer material on to a sheet of clean paper and then remove any foreign matter found. If you cannot find any foreign matter, exchange the developer material.

3. Removal of foreign matter on the developer sleeve
 - (1) Apply a sheet of paper to the developer sleeve.
 - (2) Scrape off foreign matter and developer material on the developer sleeve using the jig.

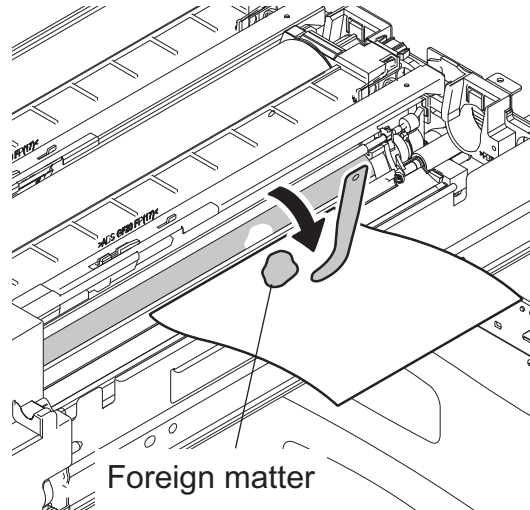


Fig. 7-28

4. Scattered toner

If toner is scattered in the developer unit or has accumulated in the developer unit duct, check if the toner filter has been periodically replaced. If not, it may increase the amount of the toner scattered around the developer unit.

Notes:

After the toner filter was replaced, check if the following parts are stained with toner and clean them if required:

G1: Developer unit, G2: Developer unit drive section, G4: Front shield, G5: Side shield

* G3: Developer material

After replacing the developer material, be sure to perform the auto-toner sensor adjustment and then image quality control initialization.

📖 P. 6-2"6.1.2 Adjustment of the Auto-Toner Sensor"

📖 P. 6-4"6.1.3 Performing Image Quality Control"

7.6.8 Waste toner box

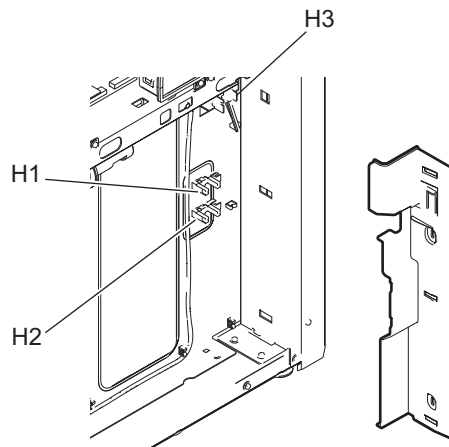


Fig. 7-29

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
H1	Waste toner box full detection sensor	B					65-45
H2	Waste toner amount detection sensor	B					65-45
H3	Waste toner detection sensor	B					5-17

7.6.9 Transfer belt unit / Transfer belt cleaning unit

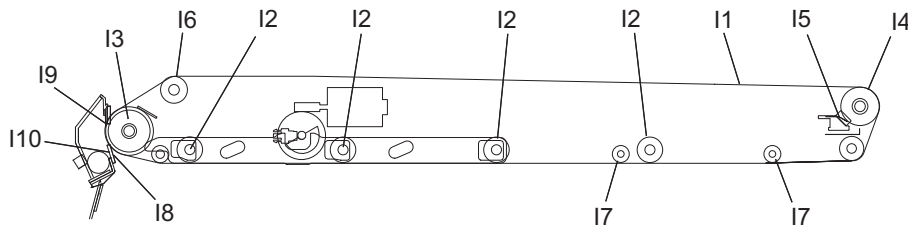


Fig. 7-30

Items to check	Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
			(x 1,000 sheets)	(x 1,000 drive counts)		
I1	Transfer belt		R	R		31-33
I2	1st transfer roller		R	R		30-58 31-23
I3	Cleaning facing roller		R	R		31-16
I4	2nd transfer facing roller		R	R		30-34
I5	2nd transfer facing roller cleaning mylar		248/275/303	314		30-51
I6	Tension roller		R	R		33-11
I7	Idling roller		R	R		30-55
I8	Transfer belt cleaning blade		248/275/303	314		34-1
I9	Recovery blade	B	R	R		34-17
I10	Transfer belt cleaner side seal		248/275/303	314		34-18 34-22

* I1: Transfer belt

1. Handling precautions

- Do not touch the front and rear surfaces of the transfer belt surface with bare hands.
- Prevent oil or other foreign matter from adhering to both surfaces of the transfer belt.
- Do not apply external pressure that might scratch the transfer belt.
- When replacing the belt and transfer belt cleaning unit, apply patting powder sufficiently and evenly. Otherwise, it may reduce the cleaning efficiency.
- When replacing the transfer belt, clean the cleaning facing roller, 2nd transfer facing roller and tension roller with alcohol. Then make sure that there is no foreign matter on the 1st transfer roller surface and then install a new transfer belt.

2. Cleaning procedure

Fully clean up the toner and such adhering to the roller with alcohol, and then wipe it with a dry cloth until no trace remains. Take care not to have the transfer belt surface being damaged or dented. Replace the transfer belt with a new one regardless of the number of output pages, if any crack or major scar is found.

3. Resetting the counter at the replacement

Counter resetting is not possible in the PM support mode because the transfer belt is not a PM part. Therefore reset the counter in the PM management setting (08-6328-0) after the transfer belt has been replaced.

- * I2: 1st transfer roller
 1. When the 1st transfer roller is replaced, apply FLOIL (GE-334C) all around the shaft on the rear edge of the roller contacting with the bushing inside the roller holder
 2. Counter resetting is not possible in the PM support mode because the 1st transfer roller is not a PM part. Therefore reset the counter in the following PM management settings after the 1st transfer roller was replaced.
 - 08-6314-0: 1st transfer roller (K)
 - 08-6316-0: 1st transfer roller (Y)
 - 08-6318-0: 1st transfer roller (M)
 - 08-6320-0: 1st transfer roller (C)

- * I3: Cleaning facing roller, I4: 2nd transfer facing roller, I6: Tension roller, I7: Idling roller
Fully clean up the toner and such adhering to the roller with alcohol, since an image failure may occur if there is any dirt remaining on the roller. Also, remove dust and toner scattering adhering to the inside of the transfer belt unit in order to keep rollers clean.

- * I8: Transfer belt cleaning blade
 1. Handling precautions
 - Do not allow hard objects to hit or rub against blade edge.
 - Do not rub the edge with a cloth or soft pad.
 - Do not leave oil (or fingerprints, etc.) on the edge.
 - Do not apply solvents such as paint thinner to the blade.
 - Do not allow paper fibers or dirt to contact the blade edge.
 - Do not place the blade near a heat source.
 2. Cleaning procedure
Clean the blade edge with a cloth moistened with water and squeezed lightly.

* 110: Transfer belt cleaner side seal

Be sure to attach the transfer belt cleaner side seals according to the criteria in the figure below. Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

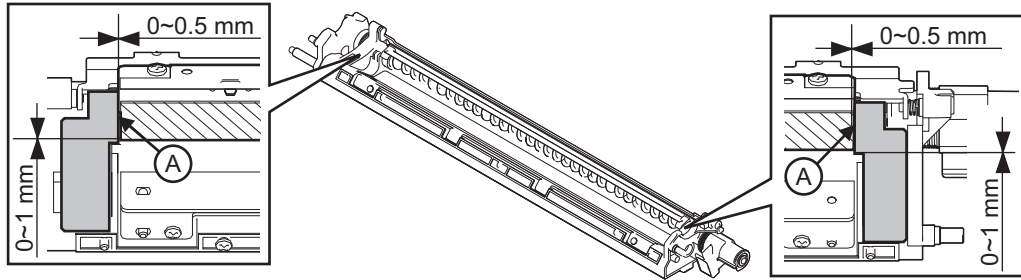


Fig. 7-31

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

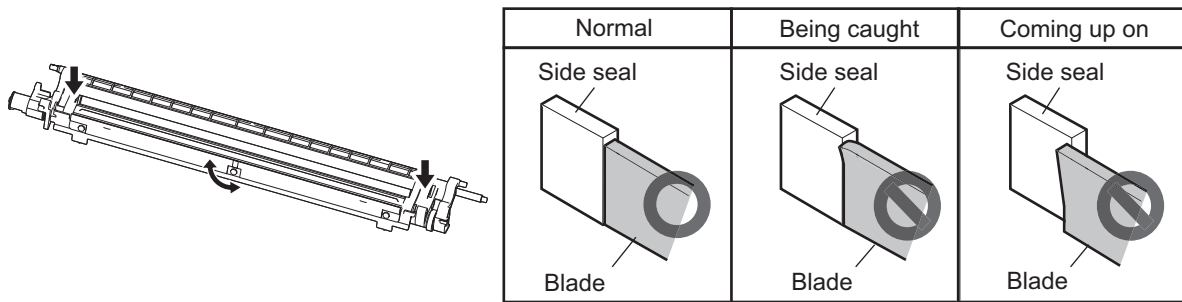


Fig. 7-32

When replacing the transfer belt cleaner side seal, check if the molded part on the back side of the removed recovery blade is dirty. Clean it if required.

Notes:

- Do not use alcohol because urethane foam will be removed.
- Cleaning on the back side of the Mylar is not necessary even if it is dirty.

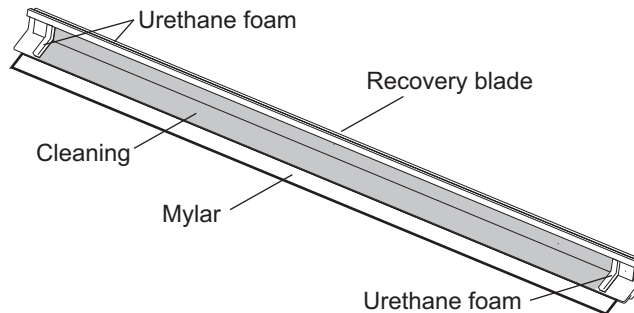


Fig. 7-33

7.6.10 Image quality control unit

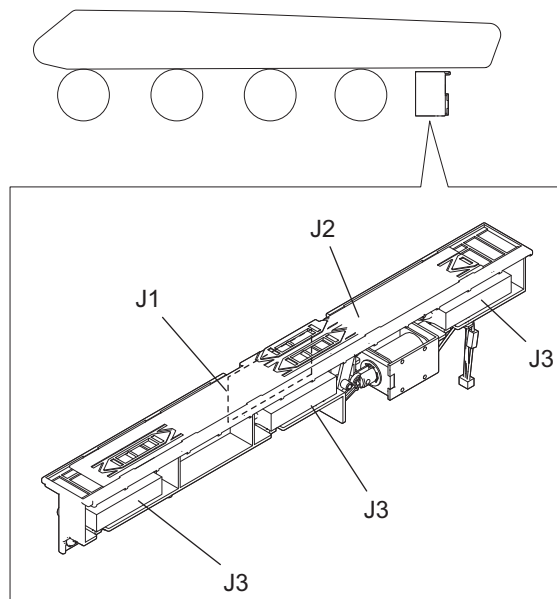


Fig. 7-34

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
J1	Image quality sensor	A		R	R		6-6
J2	Sensor shutter	B		R	R		6-28
J3	Image position aligning sensor (Front/Center/Rear)	A		R	R		6-5

* J1: Image quality sensor, J2: Sensor shutter, J3: Image position aligning sensor
Clean the image quality sensor, image position aligning sensor (Front/Center/Rear) and the sensor shutter when replacing the transfer belt cleaning blade and the blade seal, or the transfer belt itself.

7.6.11 2nd transfer roller unit

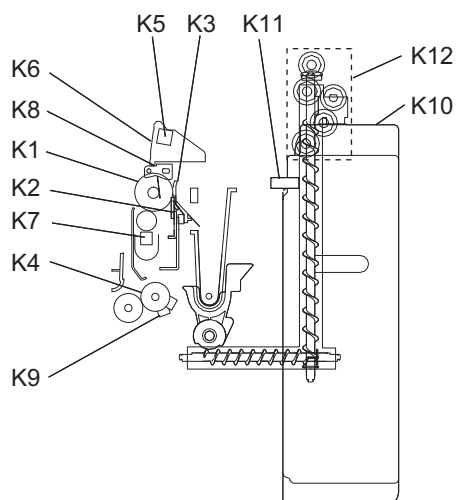


Fig. 7-35

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
K1	2nd transfer roller			248/275/303	266		29-31
K2	2nd transfer roller cleaning blade			248/275/303	266		29-24
K3	2nd transfer roller side seal			248/275/303	266		29-34
K4	Registration roller (rubber)	A		R	R		21-28
K5	2nd transfer side paper clinging detection sensor	B					
K6	2nd transfer roller paper guide	A					29-41
K7	2nd transfer lubricant unit	A		248/275/303	266		29-9
K8	Grounding plate		FL				29-35
K9	Paper dust cleaning brush	B					22-45
K10	TRU waste toner box			496/550/606	532		27-47
K11	TRU waste toner amount detection sensor	B					27-46
K12	TRU waste toner auger drive gear (tooth face and shaft)		W1				

* K1: 2nd transfer roller

Since the bearing [3] is press-fitted in the bushing [1] and [2], be sure to remove it straight so that it does not fall off.

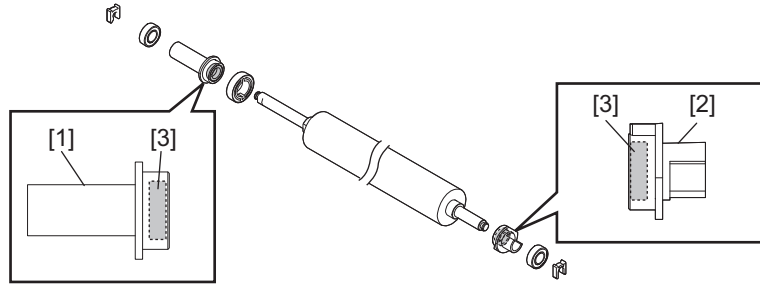


Fig. 7-36

* K3: 2nd transfer roller side seal

Be sure to attach the 2nd transfer roller side seal according to the criteria in the figure below.
Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

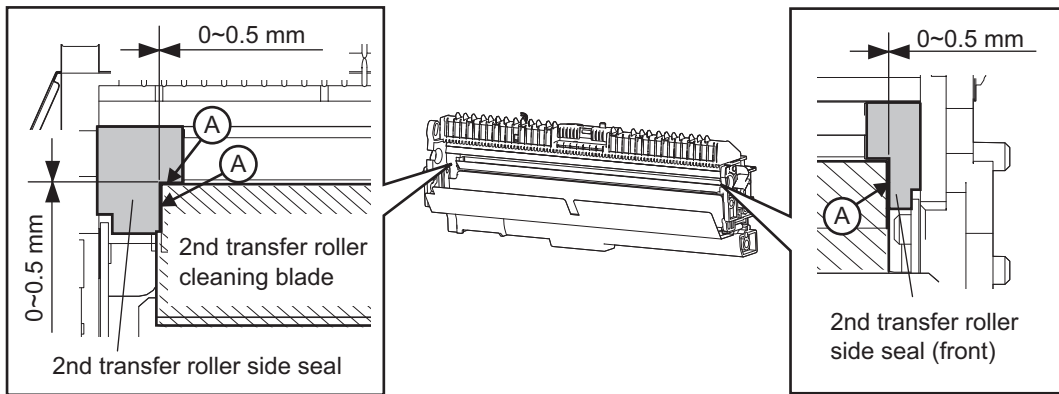


Fig. 7-37

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

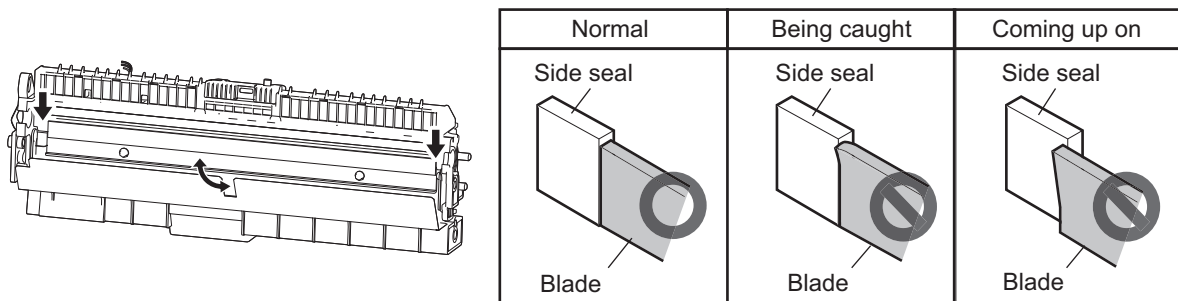


Fig. 7-38

- * K8: Grounding plate
Apply 1 rice-sized grain of Floil (GE-334C) at the point that contacts with the shaft of the 2nd transfer roller.

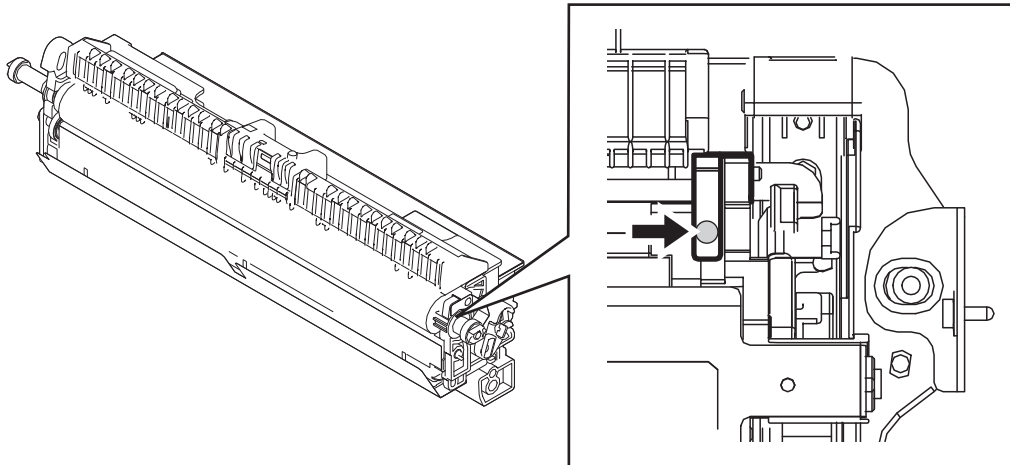


Fig. 7-39

- * K9: Paper dust cleaning brush (registration roller)
Take off the paper dust removing brush (registration roller) from the 2nd transfer unit, and then remove the paper dust on the brush with a vacuum cleaner.
- * K12: TRU waste toner auger drive gear
After the TRU waste toner box was replaced, apply 1 rice-sized grain of white grease (Molykote EM30-L) over the teeth of the TRU waste toner auger drive gear.

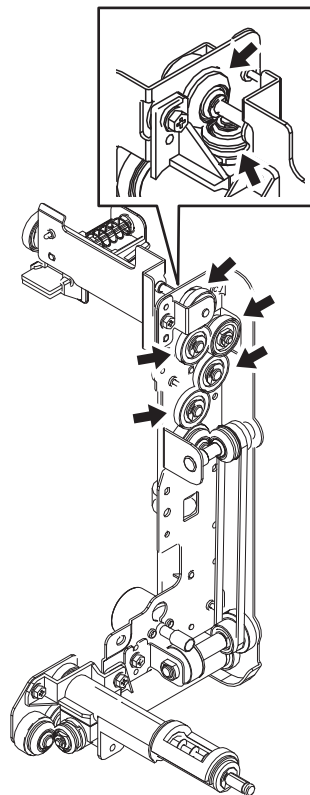


Fig. 7-40

7.6.12 Fuser unit

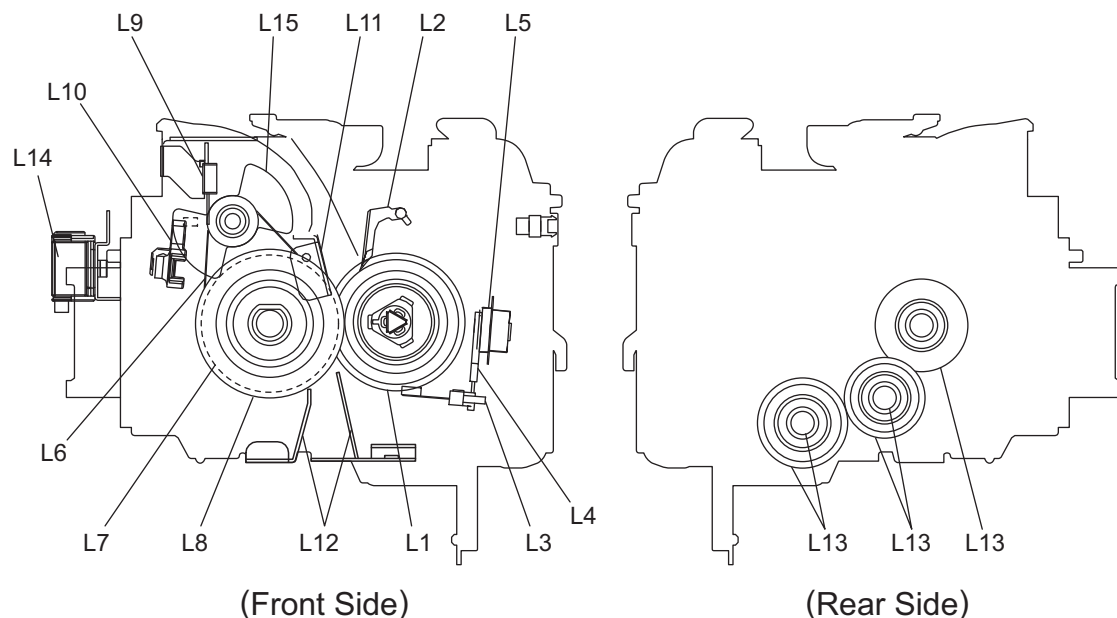


Fig. 7-41

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
L1	Pressure roller			450/500/550	1804		42-1
L2	Pressure roller separation finger			450/500/550	1804		41-3
L3	Pressure roller thermistor (edge)	A		R	R		42-15
L4	Pressure roller thermistor (center/side)	A		R	R		42-15
L5	Pressure roller thermostat (center/side)	A		R	R		42-16 42-17
L6	Fuser belt			225/250/275	902		43-16
L7	Fuser roller			225/250/275	902		43-17
L8	Fuser belt guide			225/250/275	902		43-18
L9	Fuser belt thermistor (edge)	A		R	R		40-23
L10	Fuser belt thermostat	A		R	R		43-42
L11	Separation plate	A					43-53
L12	Entry guide	A					
L13	Fuser unit gear (tooth face and shaft)		W2				
L14	Fuser belt thermopile	A		R	R		38-2
L15	Rotor	A					

Notes:

When the energy saver or the sleep mode is OFF or the settings are changed, PM parts of the fuser unit must be managed with the driving count together with the printing count.

* L1: Pressure roller, M6: Fuser belt

1. Handling precautions

Pressure roller

- Do not leave any oil (fingerprints, etc.) on the pressure roller.
- Be careful not to allow any hard object to hit or rub against the pressure roller, or it may be damaged, possibly resulting in poor cleaning.

Fuser belt

- Be careful not to fold the surface of the fuser belt.
- Do not touch the fuser belt surface with bare hands.
- Prevent oil or other foreign matter from staining the fuser belt surface.
- Do not apply external pressure that might scratch the fuser belt.

2. Cleaning procedure

When the fuser belt and pressure roller become dirty, they will cause jamming. If this happens, wipe the surface clean with a suitable cloth. For easier cleaning, clean the belt and roller while they are still warm.

However, toner adhering to and hardened on the surface of the fuser belt or the pressure roller may not be cleaned out only with dry cloth.

In this case, use alcohol (e.g. ethanol) to clean it. If the toner is still not removed completely, use a toner remover.

When using alcohol or a toner remover, soak soft cloth in it and wipe over the surface.

Notes:

- Be careful not to rub the fuser belt and pressure roller surface with your nails or hard objects because it can be easily damaged. Do not use silicone oil on the fuser belt and pressure roller.
- If alcohol or a toner remover has been used, trail marks may be left. In this case, remove them by wiping with dry cloth.
- Be careful not to make any scratch, dent or crease on the surface of the pressure roller.

3. Checking

- Check for stain and damage on the fuser belt and pressure roller, and clean if necessary.
- Check the separation plate and fingers and check for chipped tips.
- Check the thermistors contact and non-contact status.
- Check the fused and fixed condition of the toner.
- Check the gap between the inlet guide and pressure roller.
- Check the fuser belt for proper transportation.
- Check the pressure roller for proper rotation.

4. Checking after the assembly of the fuser belt unit

After the assembly, rotate the fuser belt for a round to confirm that the belt is neither folded nor scratched.

A folded or scratched belt may be broken when it is in use.

Notes:

Never rotate the fuser belt in the reverse direction as it will cause deformation of the thermistor and discharge brush.

* L2: Pressure roller separation finger

The paper jam may be caused if the tip of the finger is damaged or deformed. If there is any problem with it, replace the finger with a new one regardless of the number of output pages which have been made. Do not damage the tip of the finger during the cleaning. The finger may be damaged if the toner adhering to the tip of it is scraped off forcibly. Replace the finger if the toner is sticking to it heavily.

* L3, L4: Pressure roller thermistor

Clean the thermistor with alcohol if the toner or dirt is sticking to it when the fuser belt is replaced. Do not deform or damage the thermistor during the cleaning. Replace the thermistor with a new one if it is damaged or deformed regardless of degree.

- * L11: Separation plate
If toner adheres to the separation plate, wipe it off with dry cloth.
Do not take off the separation plate unless otherwise required.
- * L13: Fuser unit gear
Wipe off any old grease, and then apply 3 to 4 rice-sized grains of white grease (Molykote HP-300) onto the gear teeth and shafts.

Notes:

Since the one-way clutch is pressed into the gear (GEAR-8H40-FMR) that is attached to the shaft of the fuser roller, apply grease on the tooth face only. Do not apply grease on the shaft.

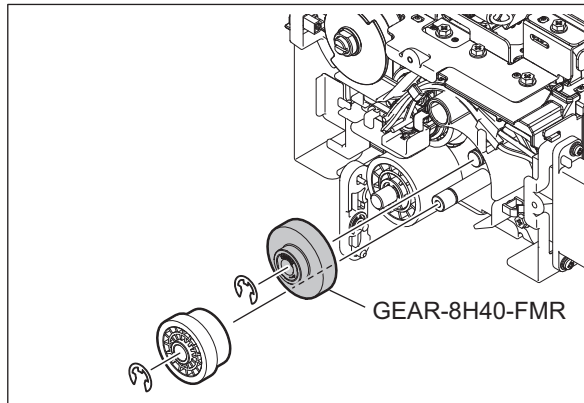


Fig. 7-42

- * L14: Fuser belt thermopile
Take off the fuser belt thermopile from the equipment and wipe off the dirt using a cloth with a small amount of alcohol. Do not touch the lens of the thermopile by hand. Clean the thermopile at the timing shown below.

Model name	Black	Full color
e-STUDIO5540C	every 225,000 sheets	every 225,000 sheets
e-STUDIO6540C	every 250,000 sheets	every 250,000 sheets
e-STUDIO6550C	every 275,000 sheets	every 275,000 sheets

- * L15: Rotor
If the surface of the rotor is dirty, wipe off the dirt.

7.6.13 Bridge unit

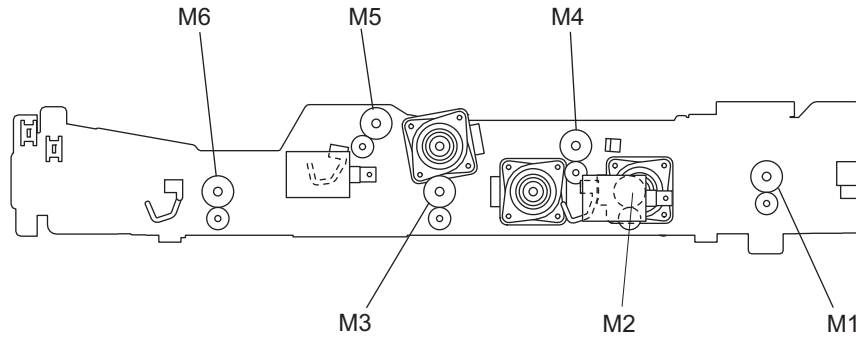


Fig. 7-43

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
M1	Bridge unit transport roller-1	A					24-17
M2	Bridge unit transport roller-2	A					23-3
M3	Bridge unit transport roller-3	A					23-4
M4	Reverse roller	A					24-25
M5	Bridge unit exit roller-1	A					24-26
M6	Bridge unit exit roller-2	A					23-5

7.6.14 Paper exit unit

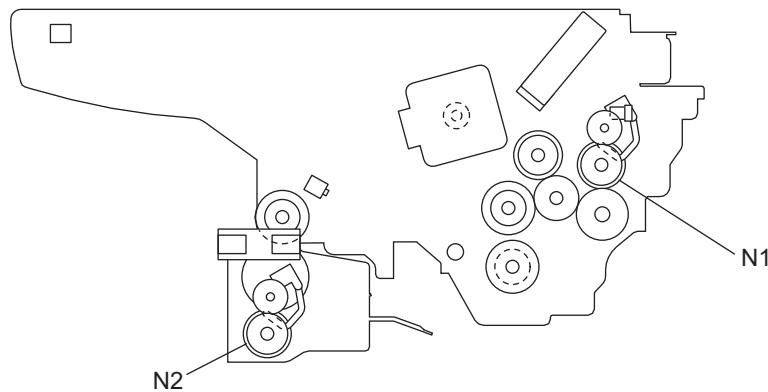


Fig. 7-44

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
N1	Upper paper exit roller	A					36-6
N2	Lower paper exit roller	A					35-27

7.6.15 RADF

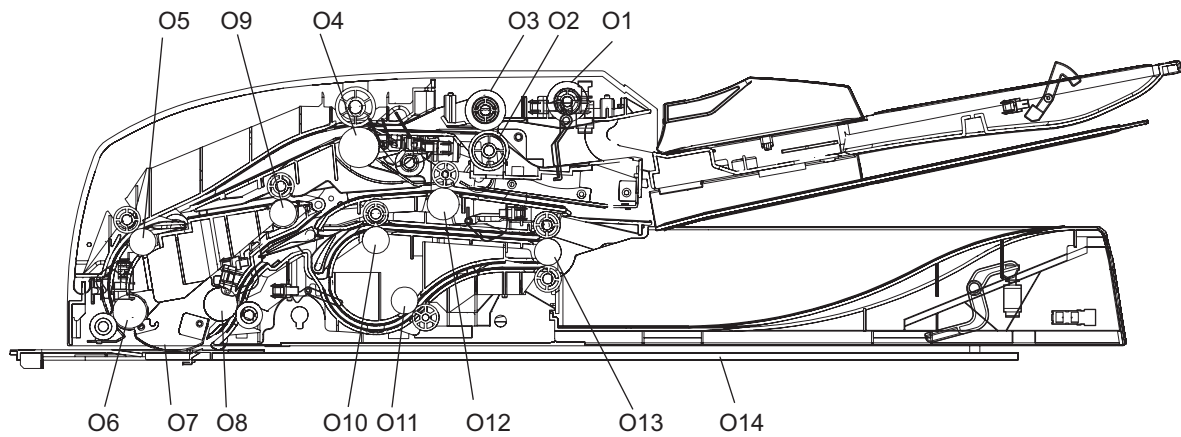


Fig. 7-45

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
O1	Pickup roller	A		120	-		81-12
O2	Separation roller	A		120	-		82-8
O3	Feed roller	A		120	-		81-12
O4	Original registration roller	A					84-12
O5	Intermediate transfer roller	A					84-4
O6	Reading start roller	A					84-6
O7	RADF original glass	A					51-18
O8	Reading end roller	A					84-2
O9	Reverse registration roller	A					84-1
O10	Exit intermediate roller	A					86-26
O11	Exit/reverse roller	A					86-26
O12	Reverse roller	A					83-16
O13	Exit roller	A					86-28
O14	Platen sheet	B or A					92-3

7.6.16 LCF (MP-2501)

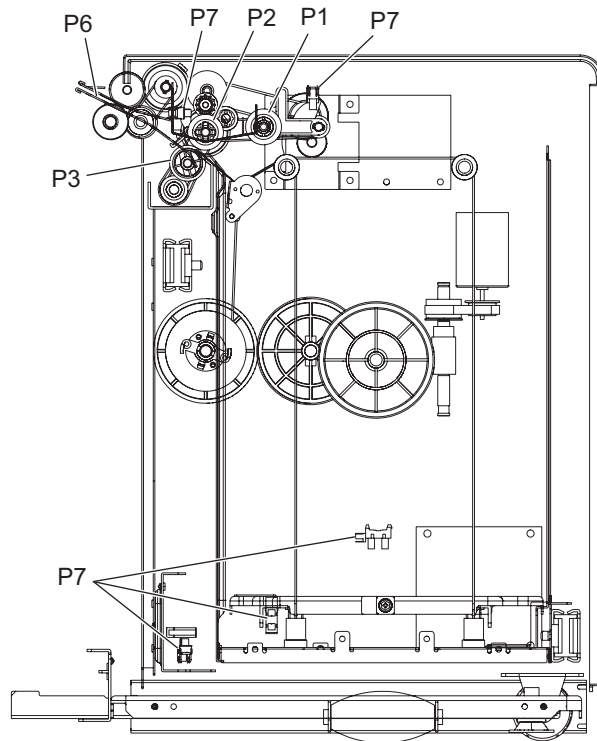


Fig. 7-46

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
P1	Pickup roller	A		500	-		5-46
P2	Feed roller	A		500	-		4-2
P3	Separation roller	A		500	-		4-3
P4	Drive gear (tooth face)		W1				
P5	Brush unit	B					
P6	Paper path section	B					
P7	Sensor section	B					2-3

* P5: Brush unit

Remove the brush unit, and clean the paper dust of the entire brush unit.

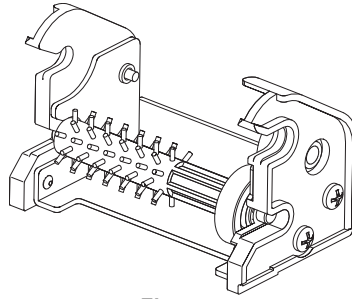


Fig. 7-47

* P6: Paper path section

Remove the brush unit and feed roller, clean the paper dust of paper path section and the shaded area of figure bellow.

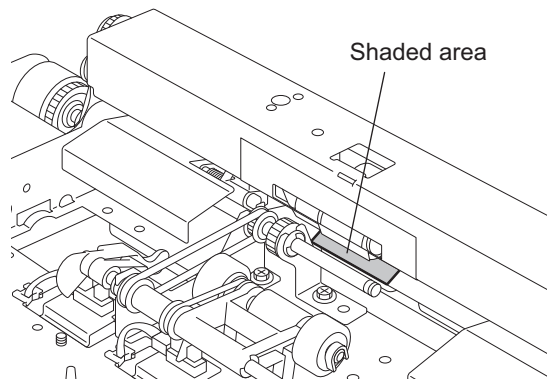


Fig. 7-48

7.7 Preventive Maintenance Checklist (e-STUDIO5560C/6560C/6570C)

Symbols/value used in the checklist

Cleaning	Lubrication/Coating	Replacement	Operation check
A: Clean with alcohol B: Clean with soft pad, cloth or vacuum cleaner	L: Launa 40 SI: Silicon oil W1: White grease (Molykote EM-30L) W2: White grease (Molykote HP-300) AV: Alvania No.2 FL: Floil (GE-334C)	Value: Replacement cycle R3: Replace if deformed or damaged	O: After cleaning or replacement, confirm there is no problem.

Notes:

1. Perform cleaning and lubricating in the following timing. Lubricate the replacement parts according to the replacement cycle.

Model name	Black	Full color
e-STUDIO5560C	every 225,000 sheets	every 225,000 sheets
e-STUDIO6560C	every 250,000 sheets	every 250,000 sheets
e-STUDIO6570C	every 275,000 sheets	every 275,000 sheets

2. The value in the "Replacement" field of the table below indicates the replacement number of output pages in either the black or the full color mode. If they differ according to the model, they are indicated in the order of the e-STUDIO5560C, e-STUDIO6560C and e-STUDIO6570C.
3. The replacement cycle of the parts in the feeding section equals to the number of sheets fed from each paper source.
4. Be careful not to put oil on the rollers, belts and belt pulleys when lubricating.
5. Parts list <P-I> represents the page item in "e-STUDIO5560C/6560C/6570C Service Parts List".
6. Check if the toner supply opening of each sub-hopper, the shutter of the waste toner box and the entrance of the waste toner transport path are dirty every time you pull out the process unit or take off the drum cleaner unit or the developer unit. Clean them if required.
7. When the entire drum cleaner unit is replaced, install the color chips of the old unit to the new drum cleaner unit.
8. When you pull out the process unit and then set it back to the equipment, perform the code 05-2416 (forcible mixing in the developer unit) from 20 to 30 seconds to mix the developer material.

7.7.1 Scanner

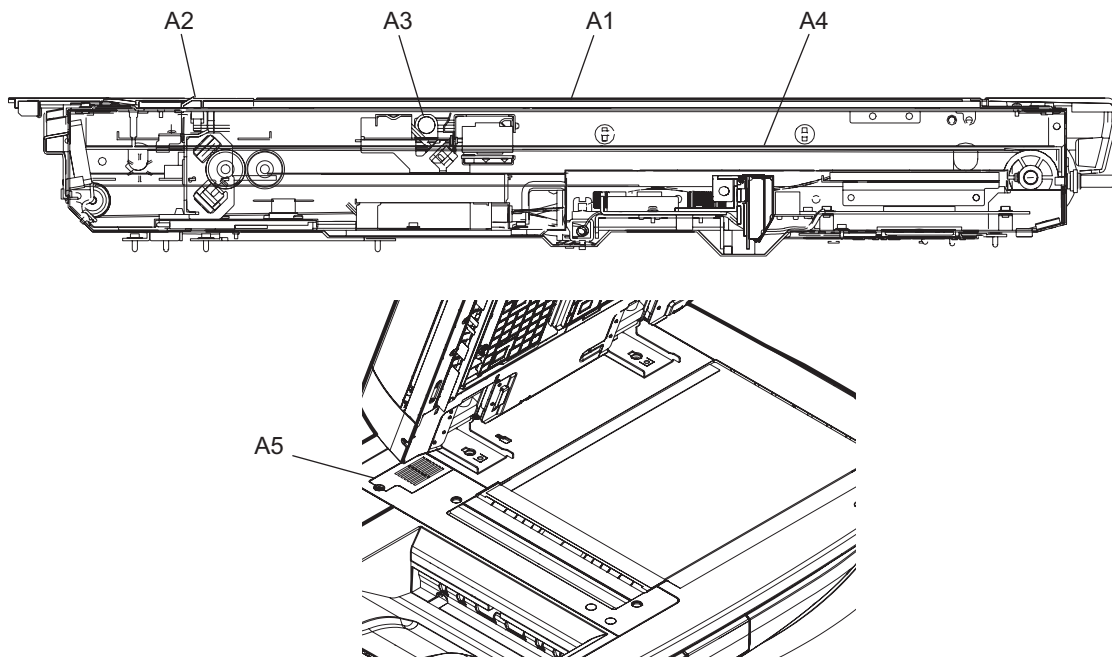


Fig. 7-49

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
A1	Original glass	B					51-15
A2	RADF original glass	B					51-18
A3	Exposure lamp			R3	R3	O	52-9
A4	Slide sheet (front and rear)			R3	R3		
A5	Filter cover	B					1-36

- * A1: Original glass, A2: RADF original glass
Clean both sides of the original glass and RADF original. Make sure that there is no dust on the mirrors-1, -2, -3 and lens after cleaning. Then install the original glass and RADF original glass.

Notes:

Make sure that there is no fingerprints or oil staining on part of the original glass on where the original scale is mounted since the shading correction plate is located below the scale to be scanned.

7.7.2 Feed unit

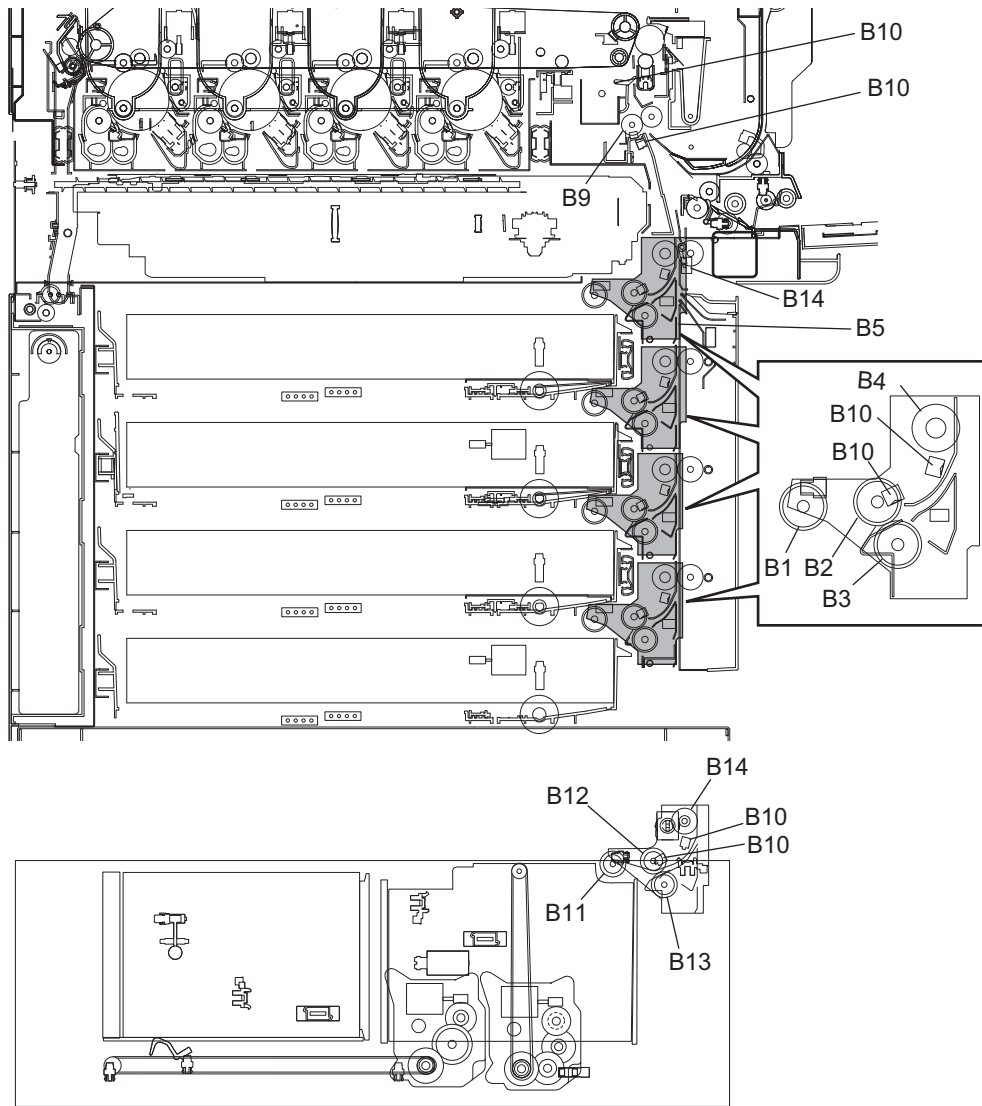


Fig. 7-50

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
B1	Pickup roller			200	-		11-36
B2	Feed roller			200	-		11-36
B3	Separation roller			200	-		11-35
B4	Transport roller	A		R3	R3		11-22
B5	Paper guide	B					
B6	Drive gear (tooth face and shaft)		W1				
B7	GCB bushing bearing		L				
B8	One side of the plastic bushing to which the shaft is inserted		W1				
B9	Registration roller (metal)	A		R3	R3		10-1
B10	Sensor section	A					
B11	Pickup roller (Tandem LCF)			400	-		11-36
B12	Feed roller (Tandem LCF)			400	-		11-36
B13	Separation roller (Tandem LCF)			400	-		11-35
B14	Transport roller (Tandem LCF)	A		R3	R3		11-22

* B6: Drive gear
Apply some white grease (Molykote EM-30L) to the teeth of gears and shafts of the drive gears.

Notes:

Make sure that oil is not running over or scattered around as the gear is rotated coming into the clutch after applying molykote to the gear which is located near the clutch. The quantity of molykote should be smaller than that to be applied to the other parts.

7.7.3 Duplexing unit

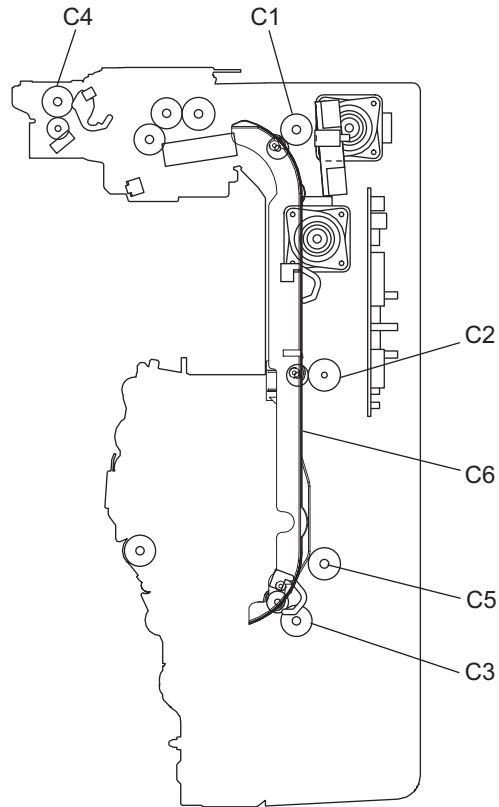


Fig. 7-51

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
C1	ADU transport roller 1	A		R3	R3		18-6
C2	ADU transport roller 2	A		R3	R3		18-5
C3	ADU transport roller 3	A		R3	R3		18-7
C4	Duplexing bridge transport roller	A		R3	R3		20-12
C5	Pulley stud		W1				
C6	Paper guide	B					19-2

7.7.4 Bypass feed unit

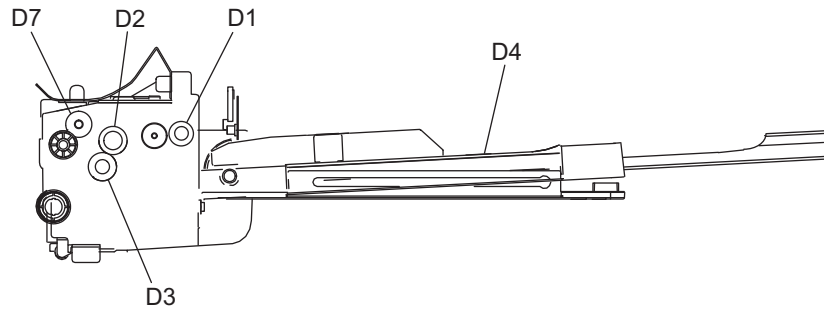


Fig. 7-52

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
D1	Pickup roller			100	-		15-15
D2	Feed roller			100	-		15-10
D3	Separation roller		AV, W2	100	-		16-43
D4	Bypass tray	B					17-5
D5	Drive gear (shaft)		W1				
D6	GCB bushing bearing		L				
D7	Transport roller	A		R3	R3		15-8

* D3: Separation roller

Apply an even coat of grease (Alvania No.2) to all round the inside of the spring.

When replacing the separation roller, apply 1 rice-sized grain of white grease (Molykote HP-300) on the places of the holder shown in the figure (4 places).

Notes:

Make sure that the grease does not adhere to the roller surface. Wipe it off with alcohol if adhered.

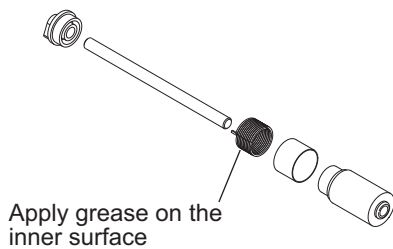
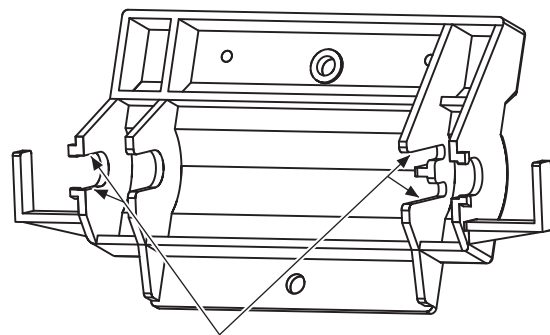


Fig. 7-53



Apply white grease
Fig. 7-54

7.7.5 Main charger

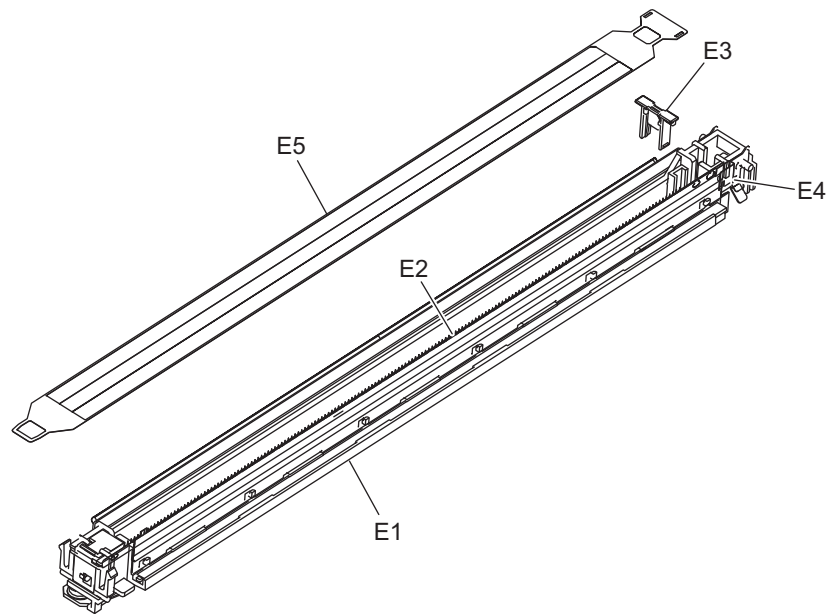


Fig. 7-55

Items to check	Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
			(x 1,000 sheets)	(x 1,000 drive counts)		
E1 Main charger case	B					64-1
E2 Needle electrode			248/275/303	314	O	64-13
E3 Needle electrode cleaner			248/275/303	314	O	64-16
E4 Contact point of terminals	B					64-2
E5 Main charger grid			248/275/303	314	O	64-17

* E1: Main charger case

Clean the main charger case with a cloth soaked in water and squeezed tightly, and then wipe them with a dry cloth.

7.7.6 Drum / Cleaner unit / Filter

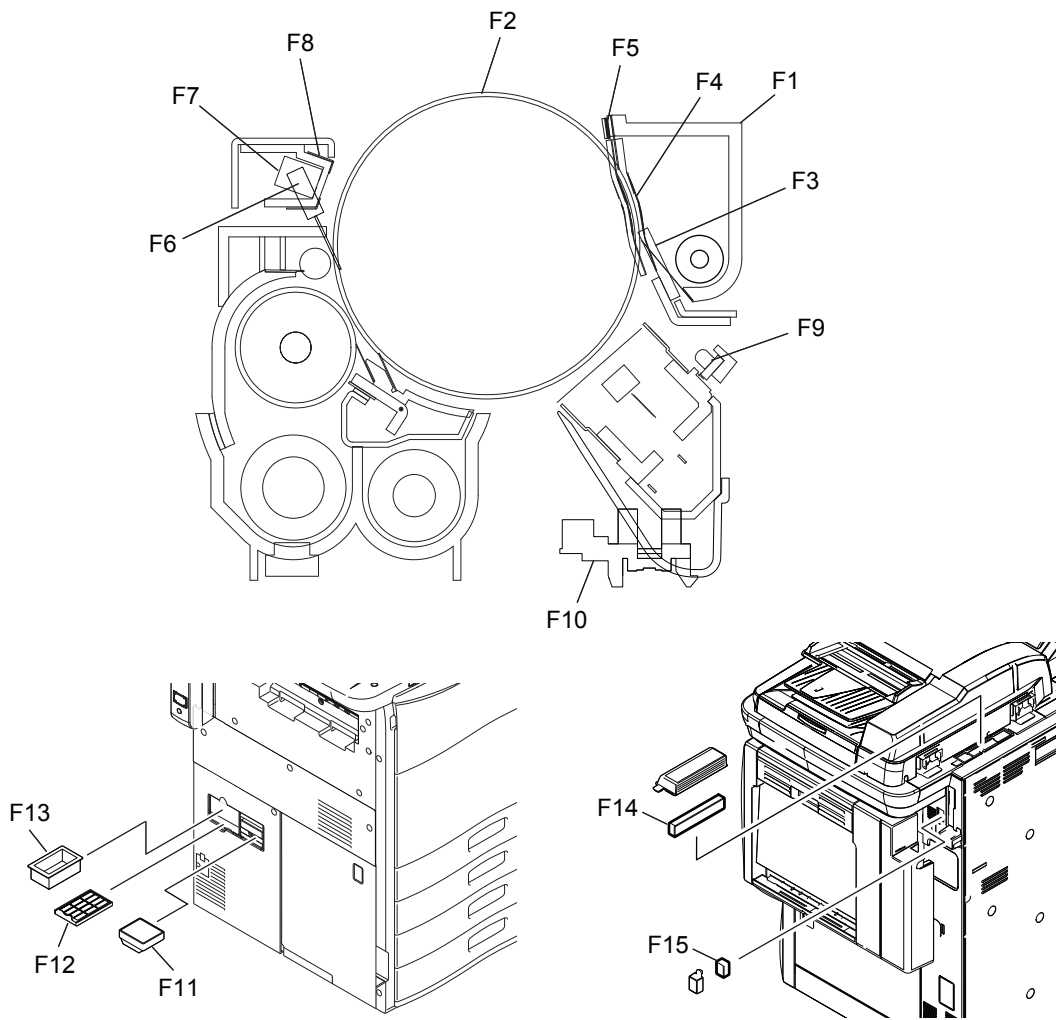


Fig. 7-56

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
F1	Whole cleaner unit	B					
F2	Drum			248/275/303	314		203-1
F3	Drum cleaning blade			248/275/303	314		63-21
F4	Blade side seal			R3	R3		63-23
F5	Recovery blade	B		R3	R3		63-25
F6	Drum thermistor	B					59-27
F7	Drum surface potential (V0) sensor	B					59-22
F8	Drum surface potential (V0) sensor shutter	B					59-24
F9	Discharge LED	B					64-20
F10	Needle electrode cleaner detection sensor	B					59-4
F11	Ozone filter-1			248/275/303	314		49-4
F12	Ozone filter-2			248/275/303	244		49-14
F13	Toner filter			248/275/303	244		49-11

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
F14	VOC filter-1			496/550/606	532		-
F15	VOC filter-2			496/550/606	532		-

* F1: Whole cleaner unit

Remove any toner on the waste toner section of the drum cleaner unit and the upper section of the EPU tray toner duct.

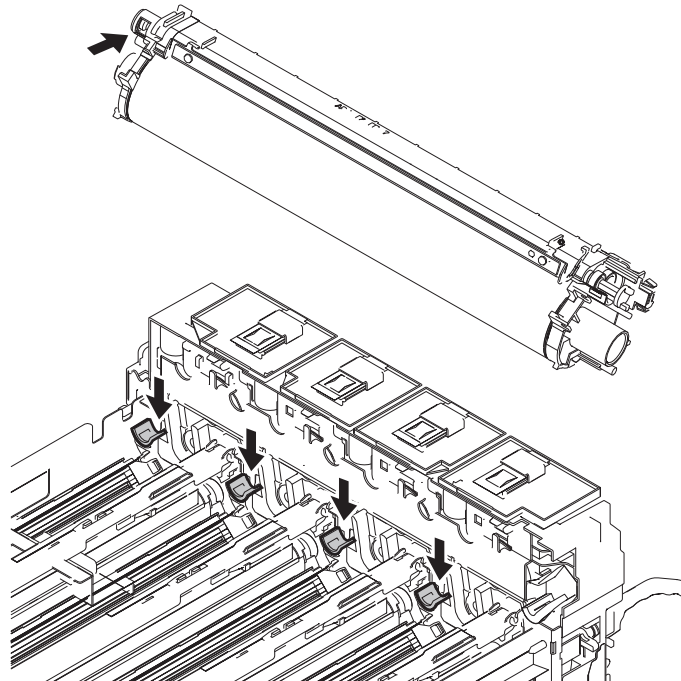


Fig. 7-57

* F2: Drum

1. Handling precautions

If fingerprints or oil adhere to the surface of the drum, its properties may degrade, affecting the quality of the copy image. So, wear gloves to avoid touching the drum surface with your bare hands. Be sure to handle the drum carefully when installing and removing it so as not to damage its surface.

After you installed the process unit to the equipment, there may be grease at the inner side of the drum flange (shown as "B" in the figure below) that was transferred from the drum coupling. So hold the levers (shown as "A" in the figure below) when you hold the drum or the drum cleaner unit. Do not hook your finger on the flange hole on the rear side.

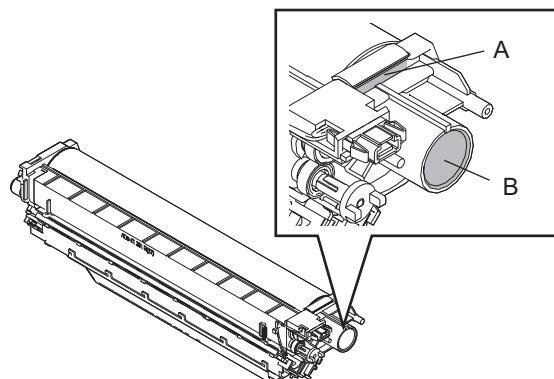


Fig. 7-58

2. Clearing the drum counter

When the drum has been replaced with a new one, the drum counter for the new drum (K, Y, M, C) must be cleared to 0 (zero). This clearing can be performed in PM support mode.

- Drum counter
 - Drum (K): 08-6250-0, 3, 6, 7
 - Drum (Y): 08-6252-0, 3, 6, 7
 - Drum (M): 08-6254-0, 3, 6, 7
 - Drum (C): 08-6256-0, 3, 6, 7

3. Storage location of drums

The drum should be stored in a dark place where the ambient temperature is between 10°C to 35°C (no condensation). Be sure to avoid places where drums may be subjected to high humidity, chemicals and/or their fumes.

Do not place the drum in a location where it is exposed to direct sunlight or high intensity light such as near a window. Otherwise the drum will fatigue, and will not produce sufficient image density immediately after being installed in the equipment.

4. Cleaning the drum

At periodic maintenance calls, wipe the entire surface of the drum clean using the designated cleaning cotton. Note that there is no need to clean the surface of the new drum unless there is a problem. Use sufficiently thick cleaning cotton (dry soft pad) so as not to scratch the drum surface inadvertently with your fingertips or nails. Also, remove your rings and wristwatch before starting cleaning work to prevent accidental damage to the drum.

Do not use alcohol, selenium refresher and other organic solvents or silicon oil as they will have an adverse effect on the drum.

Also clean the doctor blade when the drum is being replaced.

5. Scratches on drum surface

If the surface is scratched in such a way that the aluminum substrate is exposed, no copy image will be produced on this area. In addition, the cleaning blade will be damaged so replacement with a new drum will be necessary.

6. Collecting used drums

If the surface is scratched in such a way that the aluminum substrate is exposed, no copy image will be produced on this area. In addition, the cleaning blade will be damaged so replacement with a new drum will be necessary.

* F3: Drum cleaning blade

1. Handling precautions

Pay attention to the following points as the cleaning blade life is determined by the condition of its edge. Since the edge of the blade is vulnerable and can be easily damaged by factors such as the adherence of paper dust.

- Do not allow hard objects to hit or rub against blade edge.
- Do not rub the edge with a cloth or soft pad.
- Do not leave oil (or fingerprints, etc.) on the edge.
- Do not apply solvents such as paint thinner to the blade.
- Do not allow paper fibers or dirt to contact the blade edge.
- Do not place the blade near a heat source.

2. Cleaning procedure

Clean the blade edge with a cloth moistened with water and squeezed lightly.

Replace the cleaning blade with new ones if poor images are copied due to the damaged blade regardless of the number of output pages which have been made

* F4: Blade side seal

Be sure to attach the blade side seals according to the criteria in the figure below.

Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

Part B: Be sure not to have any gap since it would cause toner scattering.

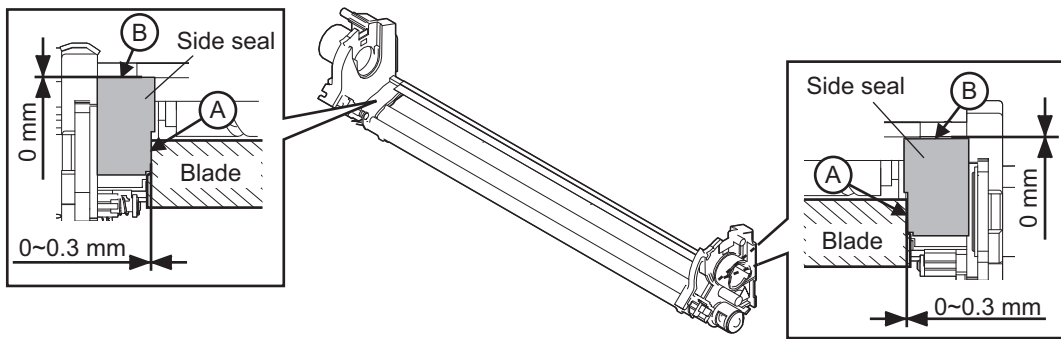


Fig. 7-59

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

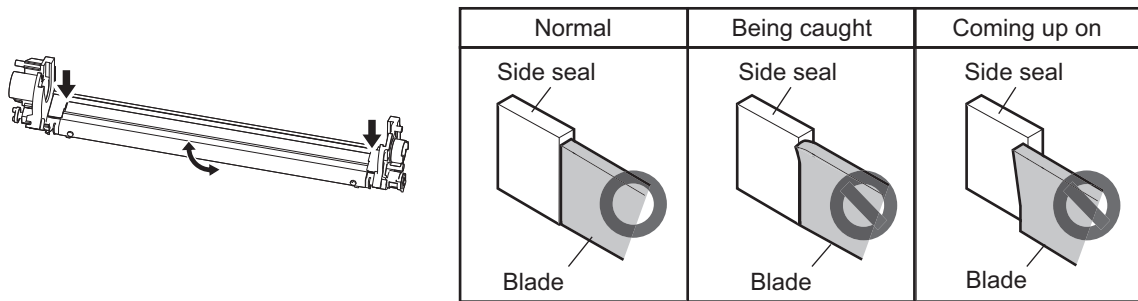


Fig. 7-60

* F5: Recovery blade

Clean the surface of the recovery blade with a soft pad or cloth, if dirt cannot be removed with a vacuum cleaner. If the edge of recovery blade is damaged, replace the blade regardless of the number of output pages.

Notes:

Never use water or alcohol for cleaning the transfer belt recovery blade.

* F7: Drum surface potential (V0) sensor / G8: Drum surface potential (V0) sensor shutter

Clean them with a vacuum cleaner.

Notes:

When cleaning them, be careful not to let any toner or developer material enter into the detecting section of each drum surface potential (V0) sensor.

* F13: Toner filter

If the toner filter is not replaced at the specified replacement timing, the suction efficiency against the scattered toner decreases, and thus it may cause suction failure and the amount of scattered toner in the equipment may increase. So be sure to replace it periodically.

7.7.7 Developer unit (K, Y, M, and C)

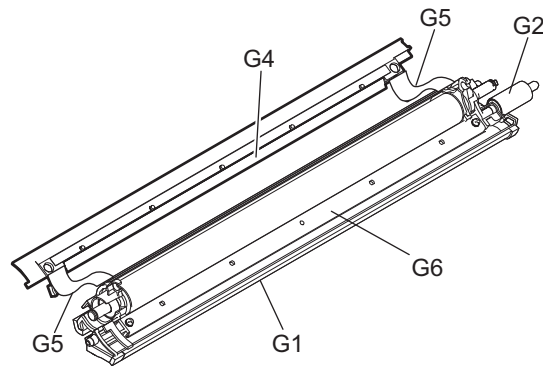


Fig. 7-61

Items to check		Cleaning	Lubrica- tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
G1	Developer unit	B					204-6
G2	Developer unit drive gear		W1				62-39
G3	Developer material			R3	R3		203-2
G4	Front shield	B		R3	R3		62-32
G5	Side shield	B		R3	R3		63-23 63-24
G6	Doctor blade	B		R3	R3		62-30

* G1: Developer unit

1. Cleaning

Clean the doctor blade so as to prevent developer material from adhering to it when the drum is being replaced.

Space the front shield from the developer sleeve and then insert a doctor blade cleaning jig into the doctor sleeve gap. Then clean the doctor blade by running the jig for 3 times to and fro along with the edge of the blade.

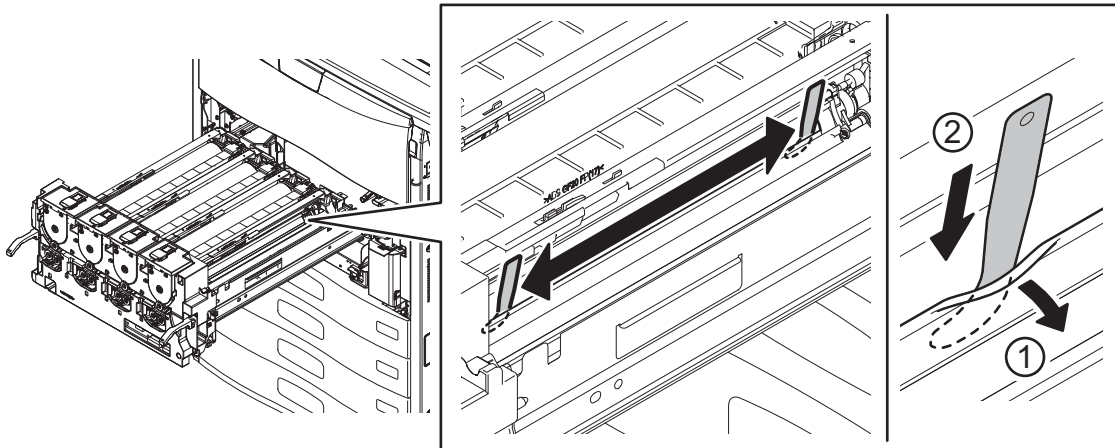


Fig. 7-62

2. Removal of foreign matter in the developer unit

(1) Pull out the process unit (EPU).

(2) Lift up the urethane sheet.

(3) Insert the cleaning jig all the way in the developer unit at a position approx. 30 mm away from the white streak.

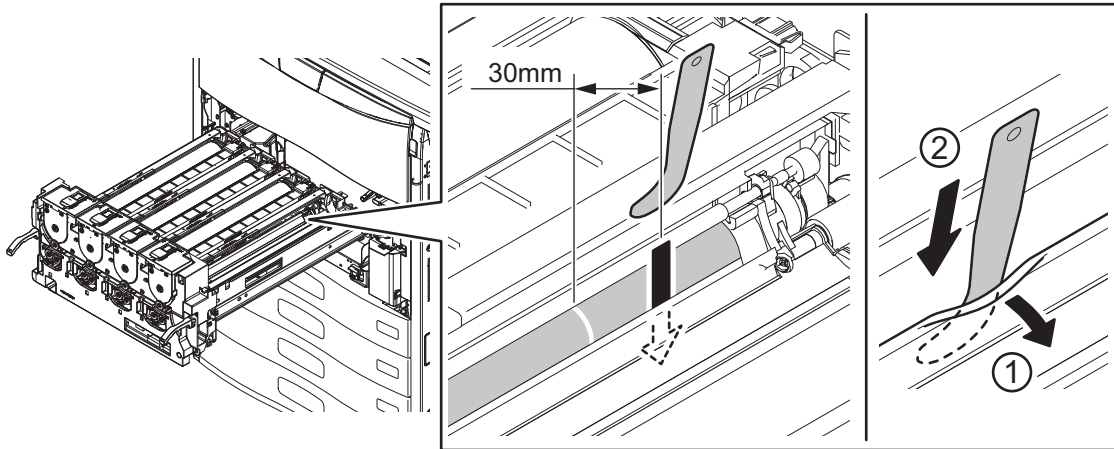


Fig. 7-63

(4) Slide the cleaning jig to where the white streak appears.

(5) Pull out the cleaning jig while manually turning the gear to rotate the developer sleeve.

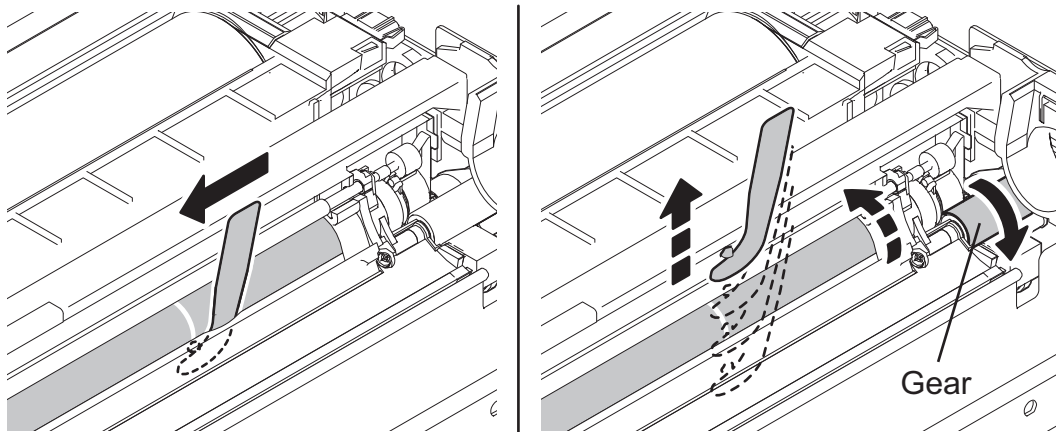


Fig. 7-64

Tip:

If foreign matter is not removed by the above procedure, take off the developer unit, discharge the developer material on to a sheet of clean paper and then remove any foreign matter found. If you cannot find any foreign matter, exchange the developer material.

3. Removal of foreign matter on the developer sleeve
 - (1) Apply a sheet of paper to the developer sleeve.
 - (2) Scrape off foreign matter and developer material on the developer sleeve using the jig.

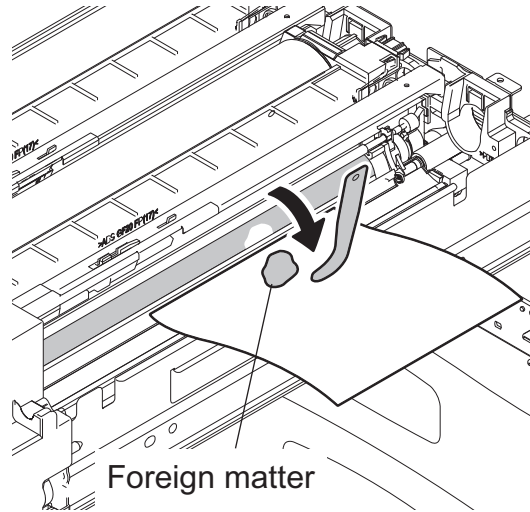


Fig. 7-65

4. Scattered toner

If toner is scattered in the developer unit or has accumulated in the developer unit duct, check if the toner filter has been periodically replaced. If not, it may increase the amount of the toner scattered around the developer unit.

Notes:

After the toner filter was replaced, check if the following parts are stained with toner and clean them if required:

G1: Developer unit, G2: Developer unit drive section, G4: Front shield, G5: Side shield

* G3: Developer material

After replacing the developer material, be sure to perform the auto-toner sensor adjustment and then image quality control initialization.

📖 P. 6-2"6.1.2 Adjustment of the Auto-Toner Sensor"

📖 P. 6-4"6.1.3 Performing Image Quality Control"

7.7.8 Waste toner box

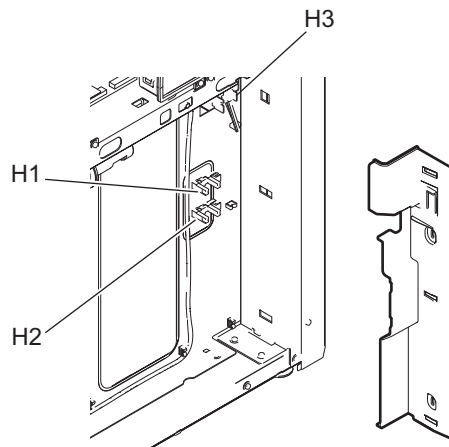


Fig. 7-66

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
H1	Waste toner box full detection sensor	B					65-45
H2	Waste toner amount detection sensor	B					65-45
H3	Waste toner detection sensor	B					5-17

7.7.9 Transfer belt unit / Transfer belt cleaning unit

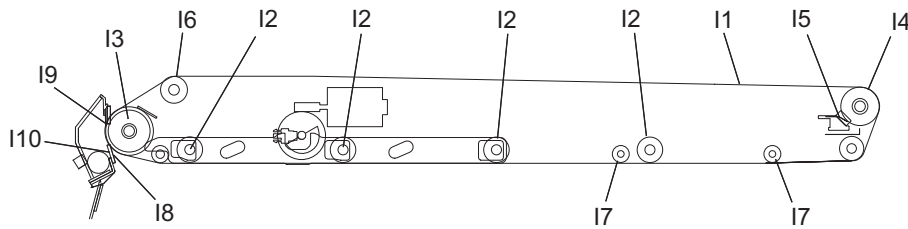


Fig. 7-67

Items to check	Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
			(x 1,000 sheets)	(x 1,000 drive counts)		
I1	Transfer belt		R3	R3		31-33
I2	1st transfer roller		R3	R3		30-58 31-23
I3	Cleaning facing roller		R3	R3		31-16
I4	2nd transfer facing roller		R3	R3		30-34
I5	2nd transfer facing roller cleaning mylar		248/275/303	314		30-51
I6	Tension roller		R3	R3		33-11
I7	Idling roller		R3	R3		30-55
I8	Transfer belt cleaning blade		248/275/303	314		34-1
I9	Recovery blade	B	R3	R3		34-17
I10	Transfer belt cleaner side seal		248/275/303	314		34-18 34-22

* I1: Transfer belt

1. Handling precautions

- Do not touch the front and rear surfaces of the transfer belt surface with bare hands.
- Prevent oil or other foreign matter from adhering to both surfaces of the transfer belt.
- Do not apply external pressure that might scratch the transfer belt.
- When replacing the belt and transfer belt cleaning unit, apply patting powder sufficiently and evenly. Otherwise, it may reduce the cleaning efficiency.
- When replacing the transfer belt, clean the cleaning facing roller, 2nd transfer facing roller and tension roller with alcohol. Then make sure that there is no foreign matter on the 1st transfer roller surface and then install a new transfer belt.

2. Cleaning procedure

Fully clean up the toner and such adhering to the roller with alcohol, and then wipe it with a dry cloth until no trace remains. Take care not to have the transfer belt surface being damaged or dented. Replace the transfer belt with a new one regardless of the number of output pages, if any crack or major scar is found.

3. Resetting the counter at the replacement

Counter resetting is not possible in the PM support mode because the transfer belt is not a PM part. Therefore reset the counter in the PM management setting (08-6328-0) after the transfer belt has been replaced.

- * I2: 1st transfer roller
 1. When the 1st transfer roller is replaced, apply FLOIL (GE-334C) all around the shaft on the rear edge of the roller contacting with the bushing inside the roller holder
 2. Counter resetting is not possible in the PM support mode because the 1st transfer roller is not a PM part. Therefore reset the counter in the following PM management settings after the 1st transfer roller was replaced.
 - 08-6314-0: 1st transfer roller (K)
 - 08-6316-0: 1st transfer roller (Y)
 - 08-6318-0: 1st transfer roller (M)
 - 08-6320-0: 1st transfer roller (C)

- * I3: Cleaning facing roller, I4: 2nd transfer facing roller, I6: Tension roller, I7: Idling roller
Fully clean up the toner and such adhering to the roller with alcohol, since an image failure may occur if there is any dirt remaining on the roller. Also, remove dust and toner scattering adhering to the inside of the transfer belt unit in order to keep rollers clean.

- * I8: Transfer belt cleaning blade
 1. Handling precautions
 - Do not allow hard objects to hit or rub against blade edge.
 - Do not rub the edge with a cloth or soft pad.
 - Do not leave oil (or fingerprints, etc.) on the edge.
 - Do not apply solvents such as paint thinner to the blade.
 - Do not allow paper fibers or dirt to contact the blade edge.
 - Do not place the blade near a heat source.
 2. Cleaning procedure
Clean the blade edge with a cloth moistened with water and squeezed lightly.

* I10: Transfer belt cleaner side seal

Be sure to attach the transfer belt cleaner side seals according to the criteria in the figure below. Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

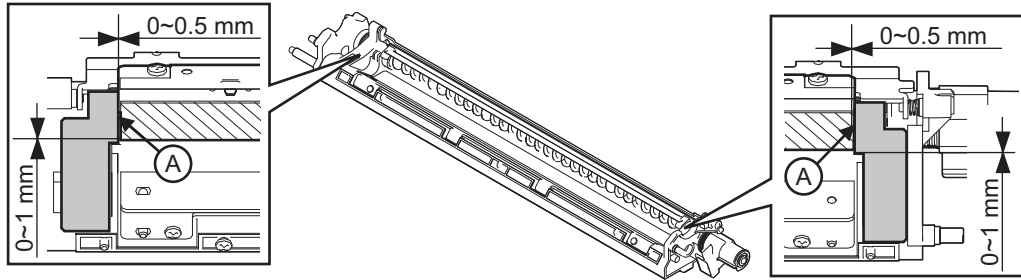


Fig. 7-68

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

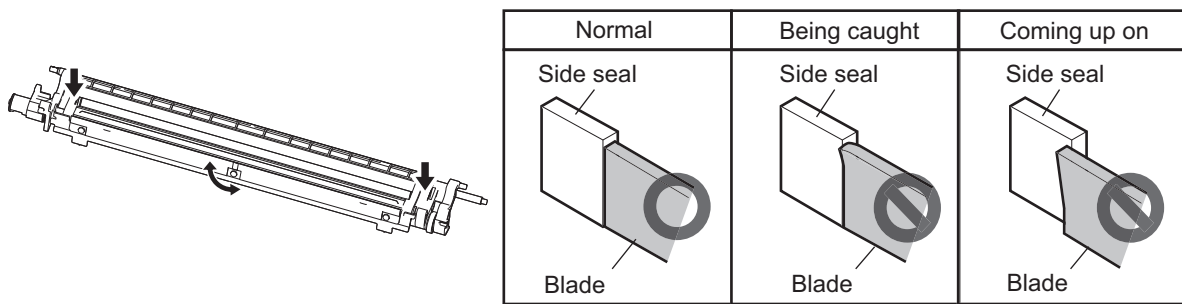


Fig. 7-69

When replacing the transfer belt cleaner side seal, check if the molded part on the back side of the removed recovery blade is dirty. Clean it if required.

Notes:

- Do not use alcohol because urethane foam will be removed.
- Cleaning on the back side of the Mylar is not necessary even if it is dirty.

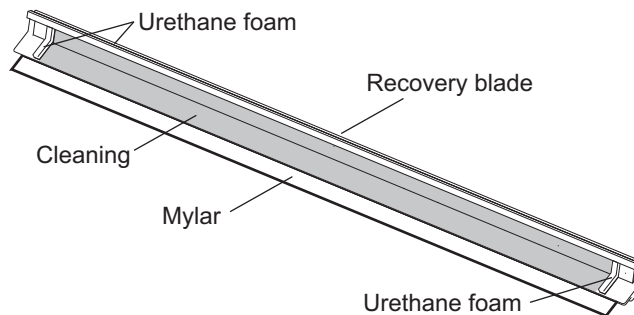


Fig. 7-70

7.7.10 Image quality control unit

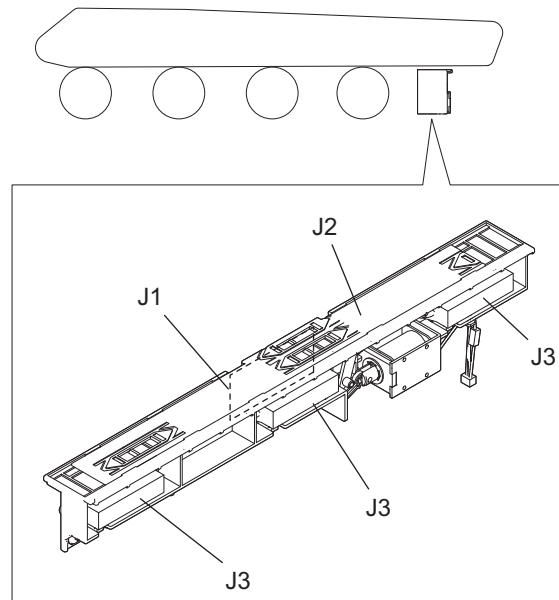


Fig. 7-71

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
J1	Image quality sensor	A		R3	R3		6-6
J2	Sensor shutter	B		R3	R3		6-28
J3	Image position aligning sensor (Front/Center/Rear)	A		R3	R3		6-5

- * J1: Image quality sensor, J2: Sensor shutter, J3: Image position aligning sensor
Clean the image quality sensor, image position aligning sensor (Front/Center/Rear) and the sensor shutter when replacing the transfer belt cleaning blade and the blade seal, or the transfer belt itself.

7.7.11 2nd transfer roller unit

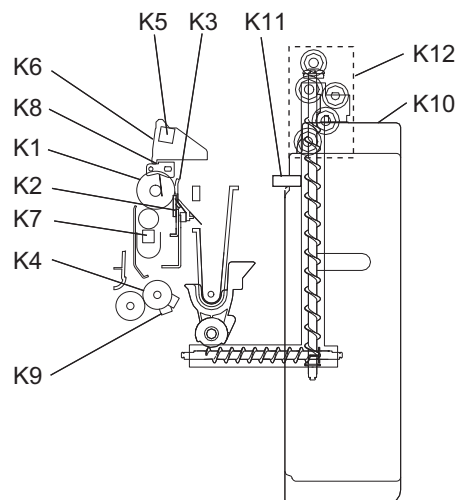


Fig. 7-72

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
K1	2nd transfer roller			248/275/303	266		29-31
K2	2nd transfer roller cleaning blade			248/275/303	266		29-24
K3	2nd transfer roller side seal			248/275/303	266		29-34
K4	Registration roller (rubber)	A		R3	R3		21-28
K5	2nd transfer side paper clinging detection sensor	B					
K6	2nd transfer roller paper guide	A					29-41
K7	2nd transfer lubricant unit	A		248/275/303	266		29-9
K8	Grounding plate		FL				29-35
K9	Paper dust cleaning brush	B					22-45
K10	TRU waste toner box			496/550/606	532		27-47
K11	TRU waste toner amount detection sensor	B					27-46
K12	TRU waste toner auger drive gear (tooth face and shaft)		W1				

* K1: 2nd transfer roller

Since the bearing [3] is press-fitted in the bushing [1] and [2], be sure to remove it straight so that it does not fall off.

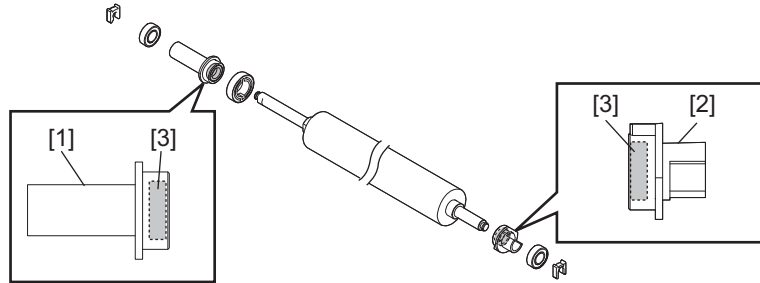


Fig. 7-73

* K3: 2nd transfer roller side seal

Be sure to attach the 2nd transfer roller side seal according to the criteria in the figure below.
Part A: Pay attention to the following. If the blade is caught by the side seal or comes up on to it, the blade may turn up. If the gap between the blade and the side seal is too wide, this will cause toner scattering.

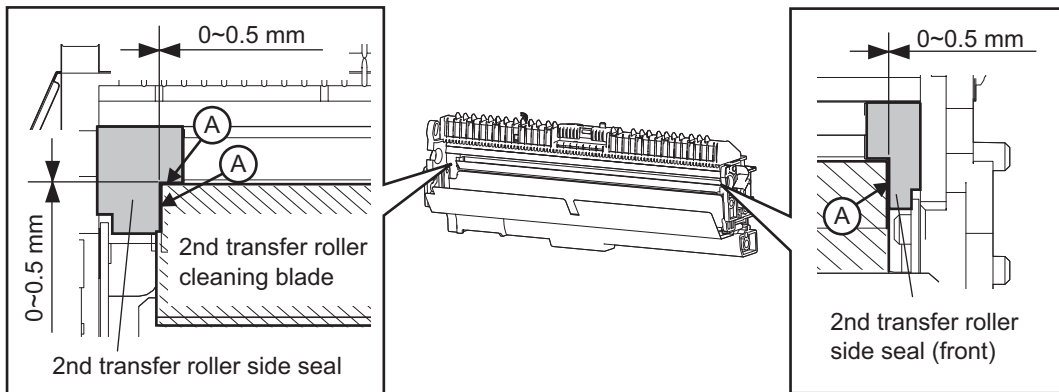


Fig. 7-74

After the side seals are attached, move the bracket retaining the blade and check that it is neither caught nor comes up on to the side seal.

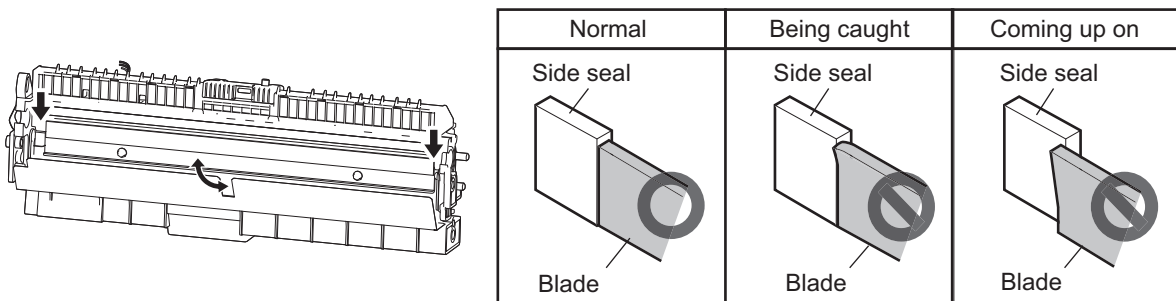


Fig. 7-75

- * K8: Grounding plate
Apply 1 rice-sized grain of Floil (GE-334C) at the point that contacts with the shaft of the 2nd transfer roller.

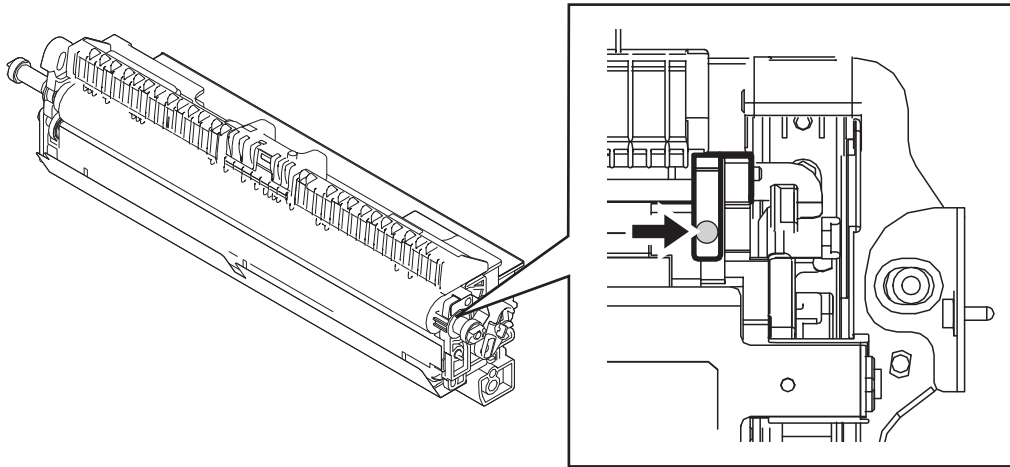


Fig. 7-76

- * K9: Paper dust cleaning brush (registration roller)
Take off the paper dust removing brush (registration roller) from the 2nd transfer unit, and then remove the paper dust on the brush with a vacuum cleaner.
- * K12: TRU waste toner auger drive gear
After the TRU waste toner box was replaced, apply 1 rice-sized grain of white grease (Molykote EM30-L) over the teeth of the TRU waste toner auger drive gear.

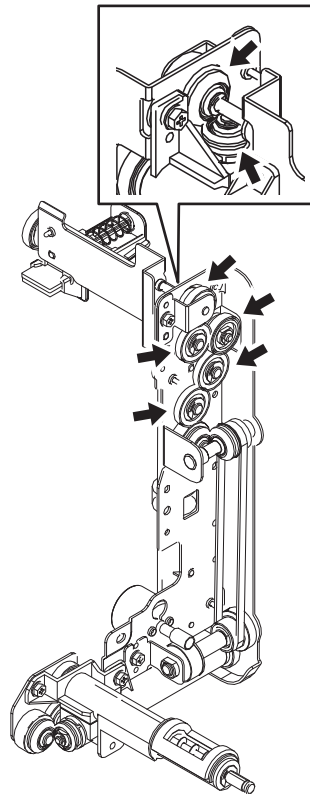


Fig. 7-77

7.7.12 Fuser unit

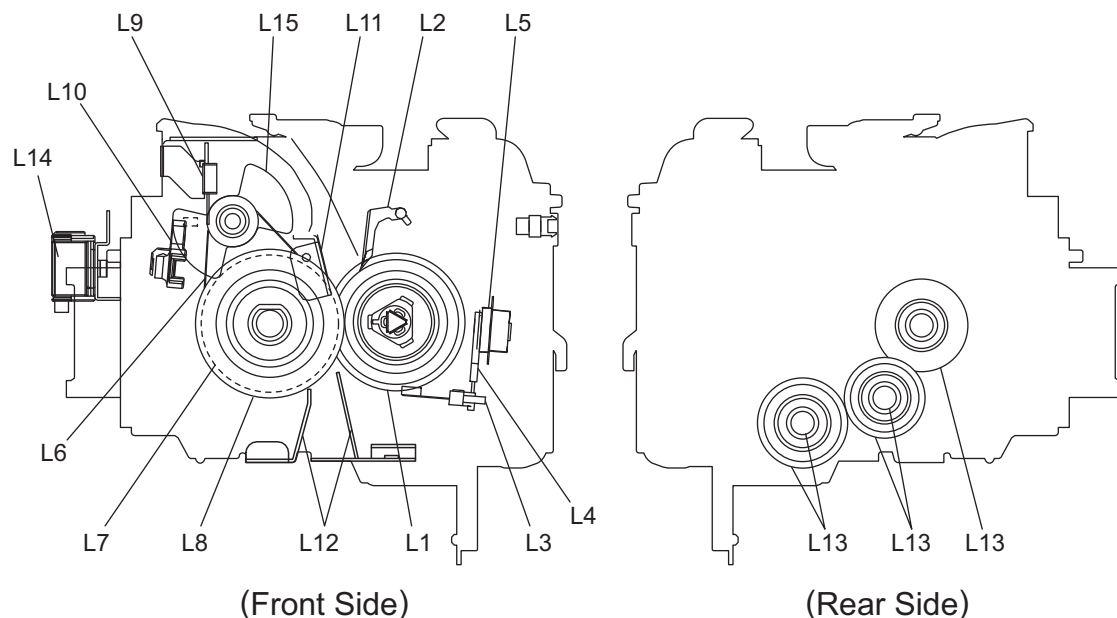


Fig. 7-78

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
L1	Pressure roller			450/500/550	1804		42-1
L2	Pressure roller separation finger			450/500/550	1804		41-3
L3	Pressure roller thermistor (edge)	A		R3	R3		42-15
L4	Pressure roller thermistor (center/side)	A		R3	R3		42-15
L5	Pressure roller thermostat (center/side)	A		R3	R3		42-16 42-17
L6	Fuser belt			225/250/275	902		43-16
L7	Fuser roller			225/250/275	902		43-17
L8	Fuser belt guide			225/250/275	902		43-18
L9	Fuser belt thermistor (edge)	A		R3	R3		40-23
L10	Fuser belt thermostat	A		R3	R3		43-42
L11	Separation plate	A					43-53
L12	Entry guide	A					
L13	Fuser unit gear (tooth face and shaft)		W2				
L14	Fuser belt thermopile	A		R3	R3		38-2
L15	Rotor	A					

Notes:

When the energy saver or the sleep mode is OFF or the settings are changed, PM parts of the fuser unit must be managed with the driving count together with the printing count.

* L1: Pressure roller, M6: Fuser belt

1. Handling precautions

Pressure roller

- Do not leave any oil (fingerprints, etc.) on the pressure roller.
- Be careful not to allow any hard object to hit or rub against the pressure roller, or it may be damaged, possibly resulting in poor cleaning.

Fuser belt

- Be careful not to fold the surface of the fuser belt.
- Do not touch the fuser belt surface with bare hands.
- Prevent oil or other foreign matter from staining the fuser belt surface.
- Do not apply external pressure that might scratch the fuser belt.

2. Cleaning procedure

When the fuser belt and pressure roller become dirty, they will cause jamming. If this happens, wipe the surface clean with a suitable cloth. For easier cleaning, clean the belt and roller while they are still warm.

However, toner adhering to and hardened on the surface of the fuser belt or the pressure roller may not be cleaned out only with dry cloth.

In this case, use alcohol (e.g. ethanol) to clean it. If the toner is still not removed completely, use a toner remover.

When using alcohol or a toner remover, soak soft cloth in it and wipe over the surface.

Notes:

- Be careful not to rub the fuser belt and pressure roller surface with your nails or hard objects because it can be easily damaged. Do not use silicone oil on the fuser belt and pressure roller.
- If alcohol or a toner remover has been used, trail marks may be left. In this case, remove them by wiping with dry cloth.
- Be careful not to make any scratch, dent or crease on the surface of the pressure roller.

3. Checking

- Check for stain and damage on the fuser belt and pressure roller, and clean if necessary.
- Check the separation plate and fingers and check for chipped tips.
- Check the thermistors contact and non-contact status.
- Check the fused and fixed condition of the toner.
- Check the gap between the inlet guide and pressure roller.
- Check the fuser belt for proper transportation.
- Check the pressure roller for proper rotation.

4. Checking after the assembly of the fuser belt unit

After the assembly, rotate the fuser belt for a round to confirm that the belt is neither folded nor scratched.

A folded or scratched belt may be broken when it is in use.

Notes:

Never rotate the fuser belt in the reverse direction as it will cause deformation of the thermistor and discharge brush.

* L2: Pressure roller separation finger

The paper jam may be caused if the tip of the finger is damaged or deformed. If there is any problem with it, replace the finger with a new one regardless of the number of output pages which have been made. Do not damage the tip of the finger during the cleaning. The finger may be damaged if the toner adhering to the tip of it is scraped off forcibly. Replace the finger if the toner is sticking to it heavily.

* L3, L4: Pressure roller thermistor

Clean the thermistor with alcohol if the toner or dirt is sticking to it when the fuser belt is replaced. Do not deform or damage the thermistor during the cleaning. Replace the thermistor with a new one if it is damaged or deformed regardless of degree.

- * L11: Separation plate
If toner adheres to the separation plate, wipe it off with dry cloth.
Do not take off the separation plate unless otherwise required.
- * L13: Fuser unit gear
Wipe off any old grease, and then apply 3 to 4 rice-sized grains of white grease (Molykote HP-300) onto the gear teeth and shafts.

Notes:

Since the one-way clutch is pressed into the gear (GEAR-8H40-FMR) that is attached to the shaft of the fuser roller, apply grease on the tooth face only. Do not apply grease on the shaft.

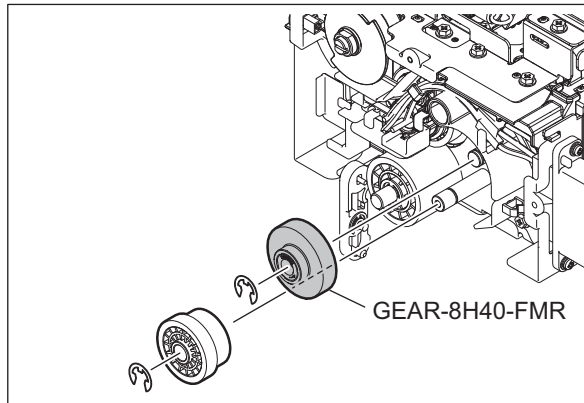


Fig. 7-79

- * L14: Fuser belt thermopile
Take off the fuser belt thermopile from the equipment and wipe off the dirt using a cloth with a small amount of alcohol. Do not touch the lens of the thermopile by hand. Clean the thermopile at the timing shown below.

Model name	Black	Full color
e-STUDIO5560C	every 225,000 sheets	every 225,000 sheets
e-STUDIO6560C	every 250,000 sheets	every 250,000 sheets
e-STUDIO6570C	every 275,000 sheets	every 275,000 sheets

- * L15: Rotor
If the surface of the rotor is dirty, wipe off the dirt.

7.7.13 Bridge unit

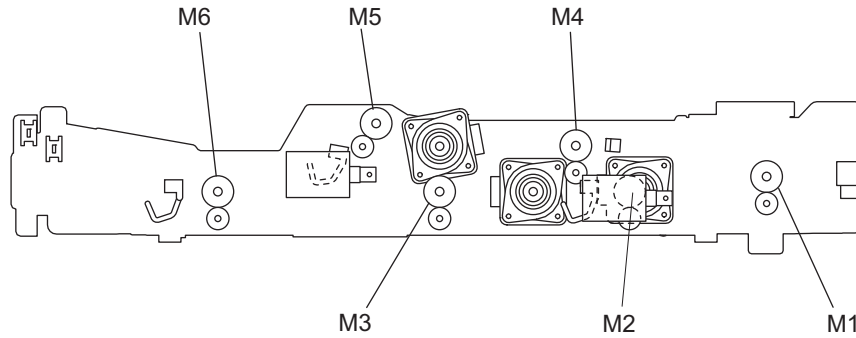


Fig. 7-80

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
M1	Bridge unit transport roller-1	A					24-17
M2	Bridge unit transport roller-2	A					23-3
M3	Bridge unit transport roller-3	A					23-4
M4	Reverse roller	A					24-25
M5	Bridge unit exit roller-1	A					24-26
M6	Bridge unit exit roller-2	A					23-5

7.7.14 Paper exit unit

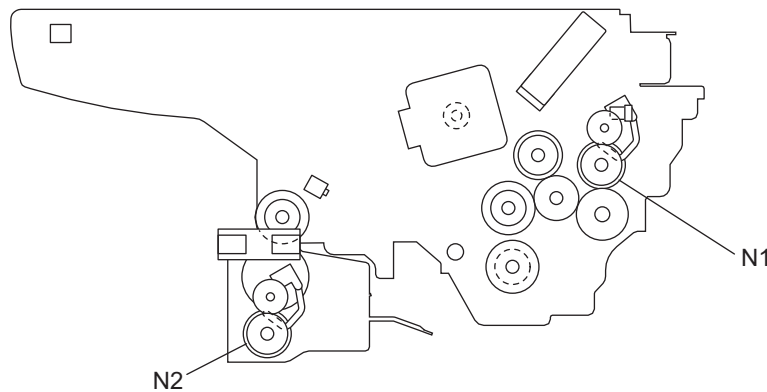


Fig. 7-81

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
N1	Upper paper exit roller	A					36-6
N2	Lower paper exit roller	A					35-27

7.7.15 RADF

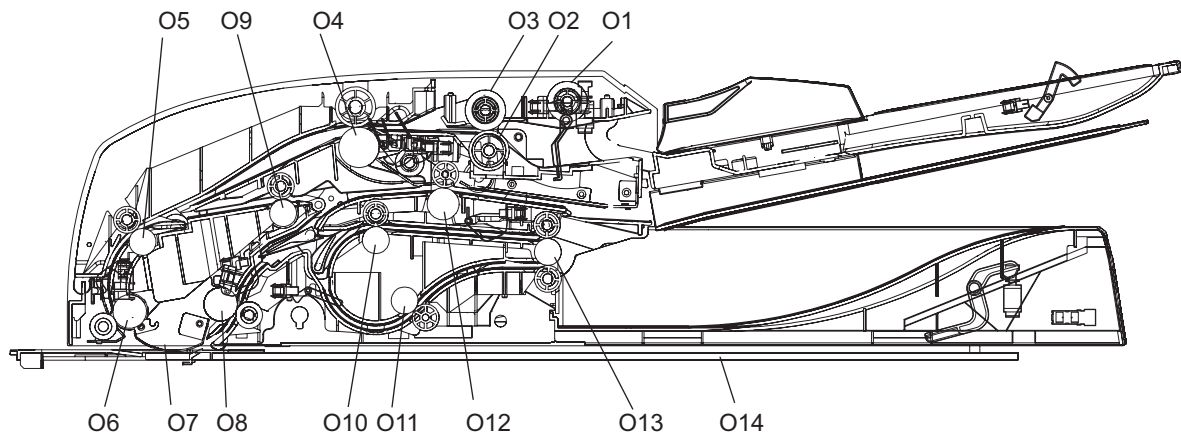


Fig. 7-82

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
O1	Pickup roller	A		120	-		81-12
O2	Separation roller	A		120	-		82-8
O3	Feed roller	A		120	-		81-12
O4	Original registration roller	A					84-12
O5	Intermediate transfer roller	A					84-4
O6	Reading start roller	A					84-6
O7	RADF original glass	A					51-18
O8	Reading end roller	A					84-2
O9	Reverse registration roller	A					84-1
O10	Exit intermediate roller	A					86-26
O11	Exit/reverse roller	A					86-26
O12	Reverse roller	A					83-16
O13	Exit roller	A					86-28
O14	Platen sheet	B or A					92-3

7.7.16 LCF (MP-2501)

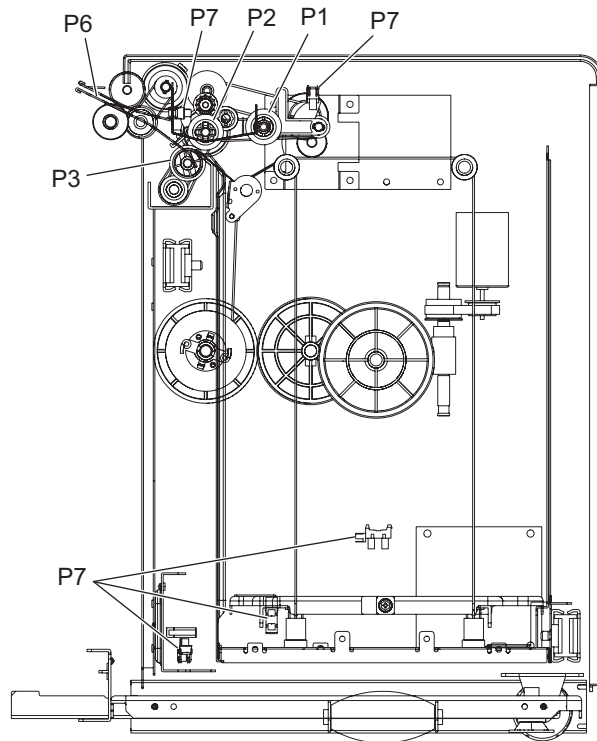


Fig. 7-83

Items to check		Cleaning	Lubrica tion/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
P1	Pickup roller	A		500	-		5-46
P2	Feed roller	A		500	-		4-2
P3	Separation roller	A		500	-		4-3
P4	Drive gear (tooth face)		W1				
P5	Brush unit	B					
P6	Paper path section	B					
P7	Sensor section	B					2-3

* P5: Brush unit

Remove the brush unit, and clean the paper dust of the entire brush unit.

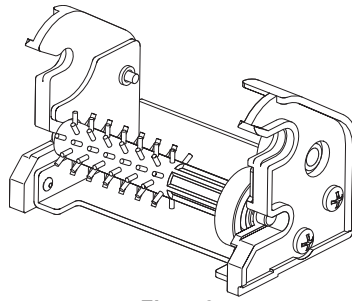


Fig. 7-84

* P6: Paper path section

Remove the brush unit and feed roller, clean the paper dust of paper path section and the shaded area of figure bellow.

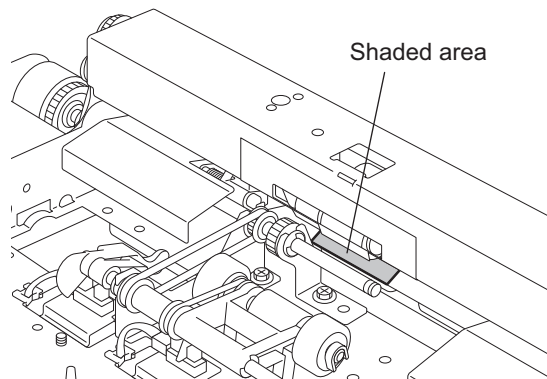


Fig. 7-85

7.8 Storage of Supplies and Replacement Parts

Precautions for storing supplies and replacement parts are shown below.

1. Toner/Developer
Toner and developer should be stored in a place where the ambient temperature is between 10°C to 35°C (no condensation), and should also be protected against direct sunlight during transportation.
2. Photoconductive drum
Like the toner and developer, photoconductive drum should be stored in a dark place where the ambient temperature is between 10°C to 35°C (no condensation). Be sure to avoid places where drums may be subjected to high humidity, chemicals and/or their fumes.
3. Drum cleaning blade / Transfer belt cleaning blade
This item should be stored in a flat place where the ambient temperature is between 10°C to 35°C, and should also be protected against high humidity, chemicals and/or their fumes.
4. Transfer belt / Transfer roller / Fuser belt / Pressure roller
Avoid places where the rollers may be subjected to high humidity, chemicals and/or their fumes.
5. Paper
Avoid storing copy paper in places where it may be subjected to high humidity.
After a package is opened, be sure to place and store it in a storage bag.

7.9 PM KIT

A PM kit is a package for each unit of replacement parts requiring PM

KIT name	Component	Qty.	Parts list <P-I>*1
EPU-KIT-FC65-G	Needle electrode	1	64-13
	Main charger grid	1	64-17A
	Needle electrode cleaner	1	64-16
	Drum cleaning blade	1	63-21
EPU-KIT-FC65-S (For e-STUDIO6550C: K)	Needle electrode	1	64-13
	Main charger grid	1	64-17B
	Needle electrode cleaner	1	64-16
	Drum cleaning blade	1	63-21
TBU-KIT-FC65	2nd transfer facing roller cleaning pad	1	30-51
	Transfer belt cleaning blade	1	34-1
	Transfer belt cleaner side seal (front)	1	34-18
	Transfer belt cleaner side seal (rear)	1	34-22
TR2-KIT-FC65	2nd transfer roller	1	29-31
	2nd transfer roller cleaning blade*2	1	29-24
	2nd transfer Lubricant unit	1	29-9
FLTR-KIT-FC55	Toner filter	1	49-11
	Ozone filter 1	1	49-4
	Ozone filter 2	1	49-14
FLTR-KIT-FC65	Toner filter	1	49-11
	Ozone filter 1	1	49-4
	Ozone filter 2	1	49-14
	VOC filter 1	1	1-107
	VOC filter 2	1	2-111
FR-KIT-FC55	Fuser roller	1	43-17
	Fuser belt	1	43-16
	Pressure roller	1	42-1
	Pressure roller separation finger	5	41-3
	Fuser belt guide	2	43-18
ROL-KIT-81CST	Pickup roller	1	11-36
	Feed roller	1	11-36
	Separation roller	1	11-35
DF-KIT-3018	Pickup roller	1	81-12
	Feed roller	1	81-12
	Separation roller	1	82-8
ROL-KIT-4004	Pickup roller	2	5-46
	Feed roller	2	4-2
	Separation roller	2	4-3

*1: Part list <P-I> represents the page item in "e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C Service Parts List".

*2: The following seal is attached to the 2nd transfer roller cleaning blade.

Part	Qty.	P - I
2nd transfer roller side seal	1	29-34

7.10 Maintenance Part List

The parts used for the maintenance of this equipment are as follows.

No.	Item	Purpose	Parts list <P-I>*1
1	Cleaning brush	Cleaning inside of the equipment	201-1
2	Doctor blade cleaning jig	Cleaning the doctor blade	201-7
3	Wire holder jig	Fixing the wire at the assembly of the carriage wire	201-2
4	RADF positioning pin	Determining the position of the RADF	201-5
5	Doctor-sleeve jig	Measuring the gap between the development sleeve and the doctor blade	201-6
6	Belt tension jig	Adjusting the belt tension at the installation of the scan motor	201-3
7	Separation plate gap jig	Measuring the gap between the separation plate and the fuser belt	201-11
8	Thermostat gap confirmation jig	Measuring the gap between the thermostat and the fuser belt, and the thermostat and the pressure roller	201-9
9	Thermistor gap confirmation jig	Measuring the gap between the thermistor and the pressure roller	201-10
10	Drum bag	Storing the drum	201-4
11	Download jig (DLM board)	Updating the scanner/options ROM	202-1
12	ROM	Installing the DLM board	202-10
13	Download jig-2 (6 Flash ROMs)	Updating the system/engine ROM	202-2
14	ROM writer adapter (For 1881)	Writing the data of PWA-DWNLD-350-JIG2	202-4
15	ROM writer adapter (For 1931)	Writing the data of PWA-DWNLD-350-JIG2	202-5
16	Toner seal plate*2	Preventing foreign matter from entering into the toner supply opening (for transporting the unpacked equipment)	201-8
17	Patting powder	For transfer belt	201-12
18	Color test chart (TCC-2)	For test print (A4/LT)	201-13
19	Color test chart	For test print (A3/LD)	201-25

*1: Part list <P-I> represents the page item in "e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C Service Parts List".

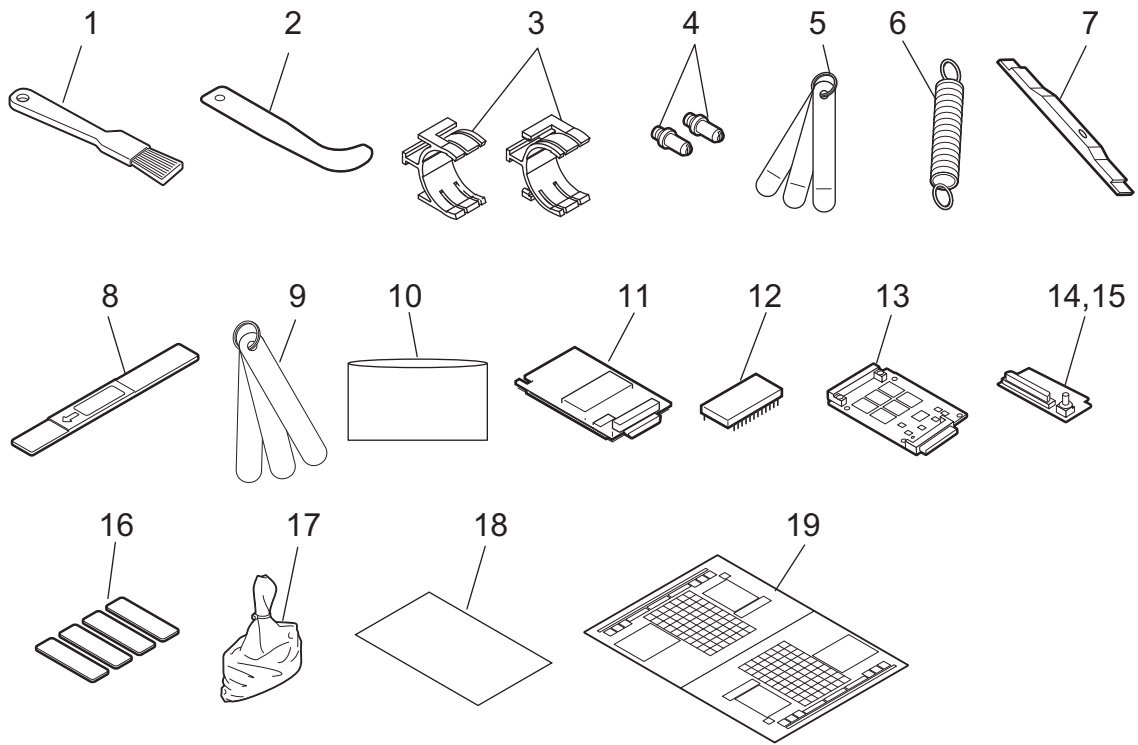


Fig. 7-86

7.11 Grease List

The parts used for the maintenance of this equipment are as follows.

Symbol	Grease name	Volume	Container	Parts list <P-I>*
L	Launa 40	100 cc	Oiler	201-21
W1	White grease (Molykote EM-30L)	100 g	Tube	201-24
W2	White grease (Molykote HP-300)	10 g	Bottle	201-22
AV	Alvania No.2	100 g	Tube	201-23
FL	Floil (GE-334C)	20 g	Bottle	

* Part list <P-I> represents the page item in "e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C Service Parts List".

7.12 Operational Items in Overhauling (e-STUDIO5540C/6540C/6550C only)

Overhauling must be performed in order to maintain the quality level of this equipment at the following timing.

- e-STUDIO5540C: When the number of output pages has reached 900,000 or 2.5 years have passed from the start of use (Whichever is earlier.)
- e-STUDIO6540C: When the number of output pages has reached 1,000,000 or 2.5 years have passed from the start of use (Whichever is earlier.)
- e-STUDIO6550C: When the number of output pages has reached 1,100,000 or 2.5 years have passed from the start of use (Whichever is earlier.)

- (1) Replace all the PM parts.
- (2) Check the components in the drive section (gears, pulleys, timing belts, etc.). Replace them with new ones if they are damaged.
- (3) Check all the adhesives such as tape and Mylar if they are damaged or have become unstuck. Replace them with new ones if necessary.
- (4) Check the performance of all the switches and sensors. Replace them with new ones if necessary.
- (5) Clean inside the equipment thoroughly.

7.13 Machine Refreshing Checklist (e-STUDIO5560C/6560C/6570C only)

Symbols/value used in the checklist

Item	Description
Cleaning	A: Clean with alcohol B: Clean with soft pad, cloth or vacuum cleaner
Lubrication/ Coating	W1: White grease (Molykote EM-30L)
Replacement	Value: Replacement cycle R1: Replacement R2: For preventive maintenance, check if the parts are damaged and replace them as required. If the parts are not replaced at the machine refreshing interval, inspect them at the subsequent PM. R3: Replace if deformed or damaged. If the parts are not replaced at the machine refreshing interval, inspect them at the subsequent PM. R4: Lubrication recommended: If the parts are not lubricated at the machine refreshing interval, inspect their lubrication status at the subsequent PM.
Operation check	O: After cleaning or replacement, confirm there is no problem.

Notes:

- When performing machine refreshment, check the items in the preventive maintenance checklist in addition to the items in the machine refreshing checklist.
- Perform cleaning and lubricating in the following timing. Lubricate the replacement parts according to the replacement cycle.

Model	Replacement cycle
e-STUDIO5560C	900,000 sheets
e-STUDIO6560C	1000,000 sheets
e-STUDIO6570C	1100,000 sheets

- The value in the “Replacement” field of the table below indicates the replacement number of output pages in either the black or the full color mode.
- The replacement cycle of the parts in the feeding section equals to the number of sheets fed from each paper source.
- Be careful not to put oil on the rollers, belts and belt pulleys when lubricating.
- Parts list <P-I> represents the page item in “e-STUDIO5560C/6560C/6570C Service Parts List”.

	Items to check	Cleaning	Lubrication/ Coating	Replacement		Operation check	Parts list <P-I>
				(x 1,000 sheets)	(x 1,000 drive counts)		
1	Drum drive unit		W1	R4	R4		-
2	Development drive unit		W1	R4	R4		-
3	Paper feeding drive unit		W1	R4	R4		-
4	Fuser drive unit		W1	R4	R4		-
I1	Transfer belt	A		R2	R2		31-33
I2	1st transfer roller	B		R2	R2		30-58 31-23
I3	2nd transfer facing roller	A		R2	R2		30-34

8. ERROR CODE and TROUBLESHOOTING

8.1 General Descriptions

This chapter explains the procedures for solving troubles occurring in the equipment.


When a trouble occurs, check if an error code is displayed on the LCD screen of the control panel first. If displayed, refer to "8.2 Error Code List" to figure out the classification and contents of the error, and then refer to "8.3 Diagnosis and Prescription for Each Error Code" to remove its cause.

If not displayed and the equipment does not operate properly or images are not printed properly, refer to "8.4 Other errors" or "8.5 Troubleshooting for the Image" to remove its cause.

Notes:

If unusual odor is detected or if smoke or fire comes out of the equipment, immediately turn the power OFF.

Even in the cases other than the above, fully observe safety precautions.

If any PC board or HDD shall be replaced, refer to  P. 9-22 "9.2 Precautions, Procedures and Settings for Replacing PC Boards and HDD".

8.1.1 If a problem continues even after performing all troubleshooting.

If a problem continues even after performing all troubleshooting and technical tips, report the problem to the appropriate Toshiba service center along with the following information. This information will help the service center understand your problem and take quick action to find the solution.

1. Serial Number
2. List Print

Refer to the appropriate Service Manual / Service Handbook for the detailed procedure to obtain a List Print.

- A. Enter the value given below to obtain a List Print by CSV file.

9S-300: All CSV files

- B. Enter the value given below to obtain a List Print by printing it out.

9S-101: 05 code

9S-102: 08 code

9S-104: Pixel counter data (Toner cartridge standard)

9S-106: Error history (1000 cases max)

9S-108: Firmware update log (200 cases max)

9S-110: Power on/off log (100 cases max)

3. For image-related problems, collect image samples with the problem areas and the feeding direction marked first. Then provide information about the media type and weight, and the print data / spool files for duplicating the problem.
4. For abnormal acoustic noise, describe the situation in as much detail as possible.
5. For hardware-related problems, provide photos of any broken parts, paper jams, etc. In case of paper jams, include the type of paper and its manufacturer.
6. For software-related problems, provide list prints, TopAccess Logs and the detailed procedure needed to duplicate the problem.

* This is the minimum information required to report a complaint. It would be appreciated if you could obtain additional information.

* Follow the directions of the service center if they request additional information as each issue is unique to some degree.

8.1.2 Collection of debug logs with a USB device

Notes:

To collect the debug log with USB media, External version of HD data (08-8952) needs to be "T130HD0W3000" or later. (e-STUDIO5540C/6540C/6550C)

[1] General description

The purpose of collecting the debug logs is to acquire the information for analyzing problems which occurred during the MFP's operation. In such a case, you can collect the debug logs by inserting a USB device into the MFP. Even if the power has to be turned OFF with the main power switch after a problem occurs, the debug logs will be saved in the MFP (up to 3 logs). If the debug logs have already been saved in the MFP, they also can be collected.

The following information is included in the USB debug logs.

Internal operation, Job history, HDD/memory usage status, etc. (Personal/Corporate information (address book) not included)

When the debug logs are collected, also do so for the following information since it may be difficult to investigate only using the debug log.

- List print mode ([9] + [START]) [300: All CSV files]
- Job logs below in TopAccess -> [Logs] -> [Export Logs]
 - Print Job Log Export
 - Fax Transmission Journal Export
 - Fax Reception Journal Export
 - Scan Log Export
 - Messages Log Export
- Problem occurrence time

Or the time when the customer called if it is difficult to work out when it occurred.

- Status of when you collected the debug log

As in the example below, check the status to know if the problem occurred at the debug log collection or how the customer recovered it.

E.g.

- You checked the problem and connected a USB device to the equipment.
- No problem occurred when an attempt to collect the debug log was made; however the customer did turn the main power switch OFF when the problem occurred, so the log can be collected.

[2] Collection procedure

1. Note

When collecting a log, be sure to obtain consent from the user in advance and get the dedicated script file from the service center.

2. About USB devices

Be sure to format the USB device with FAT16/32 beforehand. (Recommend size: 2GB or more)

3. Advance preparation of collection

Store the dedicated script file to the root directory of the USB device.

4. Procedure for collecting debug logs

1. Insert USB device, in which the dedicated script file is stored, into the MFP while the power is ON.
2. The LED in the MFP starts blinking after the USB device has been inserted.
3. When the collection of the debug logs is finished, beeping is heard.
4. After the beeping has stopped, remove the USB device.

Notes:

- Do not remove the USB device while the LED in the MFP is blinking.
- If the LED does not start blinking after the USB device is inserted and a few minutes have passed, try the procedure from step 1 again.
- If there is no beeping after the LED starts blinking (about 20 minutes), try procedure from step 1 again.
- If the USB device is inserted when the MFP is not ready, the debug logs cannot be collected.

5. Collected debug logs

- When the collection of the debug logs is completed, the compressed file of the collected logs is stored in the root directory of the USB device.
File name: XXXX.YYYYMMDDHHmmSS
(XXXX= Serial number of the equipment, YYYY= year, MM= month, DD= day, HH= hour, mm= minute, SS= second)
- After the debug logs have been collected, be sure to send them to the service center together with a report.

8.1.3 Traceability label

A traceability label on which a management No. at the manufacturing has been printed is attached to some units. If a problem occurs in a unit, report it to the appropriate Toshiba service center along with the traceability label information to help them to understand it.

[1] Management No.

A management No. consists of 13 digits with letters of the alphabet and numbers. The following shows the meaning of each block.

From the 1st to 4th digits: Classification

From the 5th to 10th digits: Production date

From the 11th to 13th digits: Sequential numbers

Classification				Production date						Sequential numbers			
1	2	3	4	5	6	7	8	9	10	11	12	13	(digits)
1	2	2	4	1	2	3	4	5	6	1	2	3	

[2] Applicable units

A traceability label is attached to the following units.

No.	Unit	Remarks
1	Reversing Automatic Document Feeder (RADF)	
2	Fuser Unit	
3	2nd transfer unit (TRU)	
4	Transfer belt unit (TBU)	
5	Laser optical unit	
6	EPU tray	
7	Drum cleaner unit	
8	Main charger unit	
9	Developer unit	

[3] Label attachment position

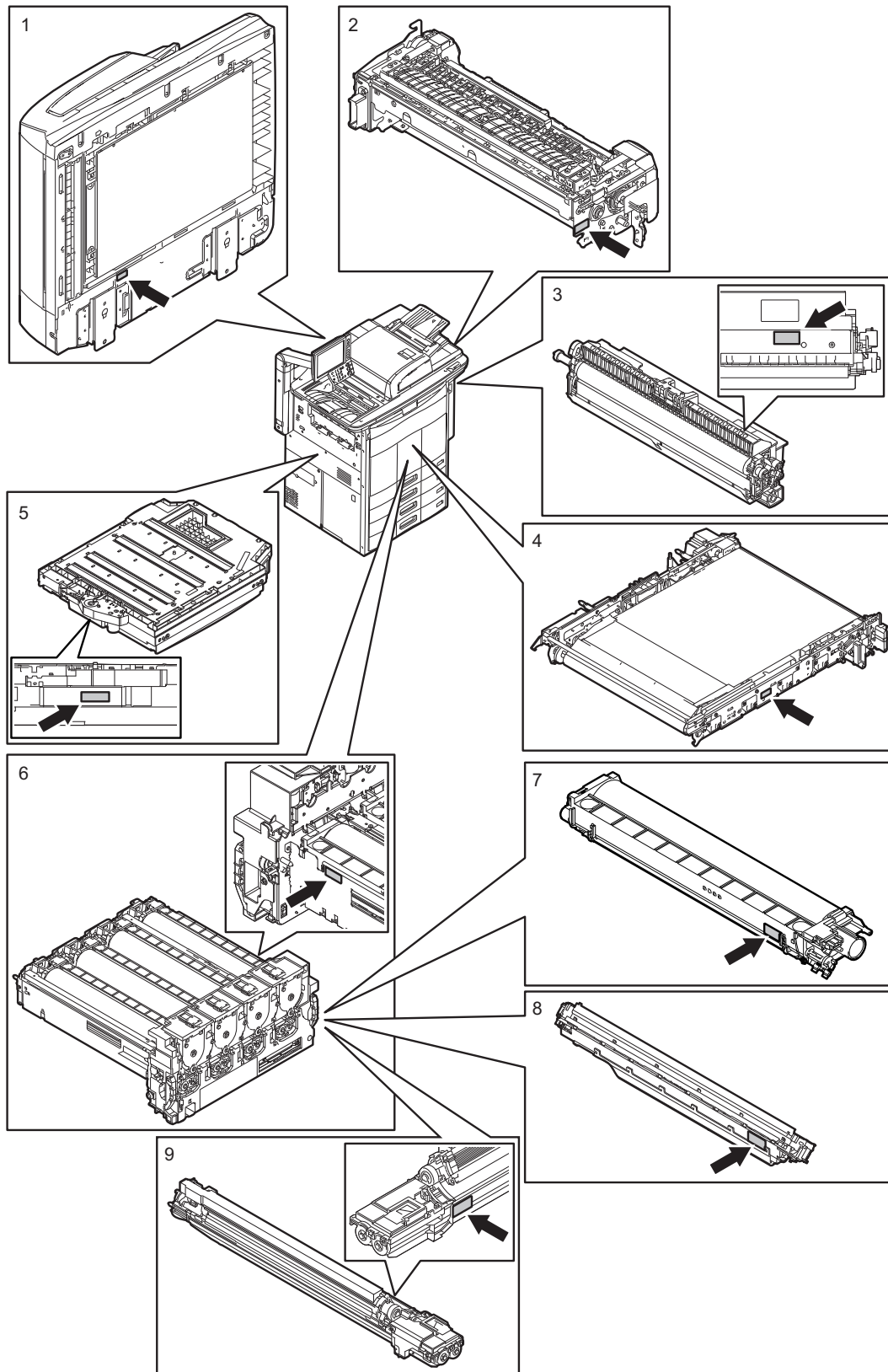


Fig.8-1

8.2 Error Code List

The following error codes is displayed at the upper right of the screen when the “CLEAR PAPER” or “CALL SERVICE” symbol is blinking.

8.2.1 Jam

Error code	Classification	Contents	Troubleshooting
E010	Paper transport jam	Jam not reaching the fuser transport sensor The paper which has passed through the fuser unit does not reach the fuser transport sensor.	P. 8-56
E011	Other paper jam	Transfer belt paper-clinging jam: The paper after the 2nd transfer is clinging to the transfer belt, or a paper jam occurred between the registration roller and the paper clinging detection sensor.	P. 8-72
E020	Paper transport jam	Stop jam at the fuser transport sensor: The trailing edge of the paper does not pass the fuser transport sensor after its leading edge has reached this sensor.	P. 8-57
E030	Other paper jam	Power-ON jam: The paper is remaining on the paper transport path when power is turned ON.	P. 8-57
E061		Incorrect paper size setting for 1st drawer: The size of paper in the 1st drawer differs from size setting of the equipment.	P. 8-74
E062		Incorrect paper size setting for 2nd drawer: The size of paper in the 2nd drawer differs from size setting of the equipment.	P. 8-74
E063		Incorrect paper size setting for 3rd drawer: The size of paper in the 3rd drawer differs from size setting of the equipment.	P. 8-74
E064		Incorrect paper size setting for 4th drawer: The size of paper in the 4th drawer differs from size setting of the equipment.	P. 8-74
E065		Incorrect paper size setting for bypass tray: The size of paper in the bypass tray differs from size setting of the equipment.	P. 8-74
E071		1st drawer media type mis-setting jam: The media type setting of the 1st drawer is incorrect.	P. 8-75
E072		2nd drawer media type mis-setting jam: The media type setting of the 2nd drawer is incorrect.	P. 8-75
E073		3rd drawer media type mis-setting jam: The media type setting of the 3rd drawer is incorrect.	P. 8-75
E074		4th drawer media type mis-setting jam: The media type setting of the 4th drawer is incorrect.	P. 8-75
E075	Option LCF media type mis-setting jam: The media type setting of the option LCF is incorrect.	P. 8-75	

Error code	Classification	Contents	Troubleshooting
E076	Other paper jam	Tandem LCF media type mis-setting jam: The media type setting of the tandem LCF is incorrect.	P. 8-75
E090		Image data delay jam: Image data to be printed cannot be prepared.	P. 8-75
E091		Motor-ON time-out jam: The equipment does not operate normally because abnormality occurred on an interface between the SYS board and engine firmware.	P. 8-76
EOA0		Image transport ready time-out jam: Image data to be printed cannot be sent.	P. 8-77
E110	Paper misfeeding	ADU misfeeding (Paper not reaching the registration sensor): The paper which has passed through ADU does not reach the registration sensor during duplex printing.	P. 8-51
E120		Bypass misfeeding (Paper not reaching the bypass feed sensor): Paper fed from the bypass tray does not reach the bypass feed sensor.	P. 8-51
E130		1st drawer misfeeding (Paper not reaching the 1st drawer feed sensor): The paper fed from the 1st drawer does not reach the 1st drawer feed sensor.	P. 8-52
E140		2nd drawer misfeeding (Paper not reaching the 2nd drawer feed sensor): The paper fed from the 2nd drawer does not reach the 2nd drawer feed sensor.	P. 8-53
E150		3rd drawer misfeeding (Paper not reaching the 3rd drawer feed sensor): The paper fed from the 3rd drawer does not reach the 3rd drawer feed sensor.	P. 8-53
E160		4th drawer misfeeding (Paper not reaching the 4th drawer feed sensor): The paper fed from the 4th drawer does not reach the 4th drawer feed sensor.	P. 8-54
E180		Option LCF misfeeding (Paper not reaching the LCF feed sensor): Paper fed from the LCF does not reach the LCF feed sensor.	P. 8-54
E190		LCF misfeeding (Paper not reaching the LCF feed sensor): The paper fed from the LCF does not reach the LCF feed sensor.	P. 8-55
E200		Paper transport jam	1st drawer transport jam (Paper not reaching the registration sensor): The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.
E210	2nd drawer transport jam (Paper not reaching the registration sensor): The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.		P. 8-58

Error code	Classification	Contents	Troubleshooting
E220	Paper transport jam	2nd drawer transport jam (Paper not reaching the 1st drawer feed sensor): The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.	P. 8-59
E230		1st drawer misfeeding (Paper not reaching the 1st drawer transport sensor): Paper fed from the 1st drawer does not reach the 1st drawer transport sensor.	P. 8-59
E240		2nd drawer misfeeding (Paper not reaching the 2nd drawer transport sensor): Paper fed from the 2nd drawer does not reach the 2nd drawer transport sensor.	P. 8-60
E260		Option LCF transport jam (Paper not reaching the registration sensor):	P. 8-61
E270		Bypass transport jam (Paper not reaching the registration sensor): Paper fed from the bypass tray and passed through the bypass feed sensor does not reach the registration sensor.	P. 8-58
E290		Option LCF transport jam: Paper fed from the Option LCF does not reach the 1st drawer transport sensor.	P. 8-61
E2B0		Stop jam at the registration sensor (1st drawer)	P. 8-69
E2B1		Stop jam at the registration sensor (2nd drawer)	P. 8-69
E2B2		Stop jam at the registration sensor (3rd drawer)	P. 8-69
E2B3		Stop jam at the registration sensor (4th drawer)	P. 8-69
E2B4		Stop jam at the registration sensor (Bypass tray)	P. 8-69
E2B5		Stop jam at the registration sensor (LCF)	P. 8-69
E2B6		Stop jam at the registration sensor (ADU)	P. 8-69
E2B7		Stop jam at the registration sensor (option LCF)	P. 8-69
E300		3rd drawer transport jam (Paper not reaching the registration sensor): The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.	P. 8-58
E310		3rd drawer transport jam (Paper not reaching the 1st drawer feed sensor): The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.	P. 8-59
E320	3rd drawer transport jam (Paper not reaching the 2nd drawer feed sensor): The paper does not reach the 2nd drawer transport sensor after it has passed the 3rd drawer feed sensor.	P. 8-62	

Error code	Classification	Contents	Troubleshooting
E330	Paper transport jam	4th drawer transport jam (Paper not reaching the registration sensor): The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.	P. 8-58
E340		4th drawer transport jam (Paper not reaching the 1st drawer feed sensor): The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.	P. 8-59
E350		4th drawer transport jam (Paper not reaching the 2nd drawer feed sensor): The paper does not reach the 2nd drawer transport sensor after it has passed the 3rd drawer feed sensor.	P. 8-62
E360		4th drawer transport jam (Paper not reaching the 3rd drawer feed sensor): The paper does not reach the 3rd drawer feed sensor after it has passed the 4th drawer feed sensor.	P. 8-63
E370		3rd drawer misfeeding (Paper not reaching the 3rd drawer transport sensor): Paper fed from the 3rd drawer does not reach the 3rd drawer transport sensor.	P. 8-63
E380		4th drawer misfeeding (Paper not reaching the 4th drawer transport sensor): Paper fed from the 4th drawer does not reach the 4th drawer transport sensor.	P. 8-64
E3C0		LCF transport jam (Paper not reaching the registration sensor): Paper fed from the LCF and passed through the 1st drawer feed sensor does not reach the registration sensor.	P. 8-58
E3D0		LCF transport jam (Paper not reaching the 1st drawer feed sensor): Paper fed from the LCF and passed through the 2nd drawer feed sensor does not reach the 1st drawer transport sensor.	P. 8-59
E3E0		LCF transport jam (Paper not reaching the 2nd drawer feed sensor): Paper fed from the LCF and passed through the LCF feed sensor does not reach the 2nd drawer transport sensor.	P. 8-62
E3F0		Tandem LCF misfeeding (Paper not reaching the tandem LCF feed sensor): Paper fed from the Tandem LCF does not reach the tandem LCF transport sensor.	P. 8-65

Error code	Classification	Contents	Troubleshooting
E400	Cover open jam	Duplexing unit open jam	P. 8-81
E430		ADU open jam: The ADU has opened during printing.	P. 8-81
E440		Paper feed cover open jam: The paper feed cover has opened during printing.	P. 8-82
E450		Optional LCF open jam: The optional LCF has been disconnected from the equipment during printing.	P. 8-82
E480		Bridge unit open jam: The bridge unit has opened during printing.	P. 8-82
E4A0		Waste toner cover open jam (printing)	P. 8-83
E4B0		Reverse path cover open jam (printing): The reverse path cover has opened during printing.	P. 8-83
E510	Paper transport jam (ADU section)	ADU transport jam: The paper does not reach the reverse path sensor after it is switchbacked in the reverse section.	P. 8-66
E511		ADU misfeeding (Paper not reaching the duplexing unit path entrance sensor)	P. 8-66
E540		ADU transport jam: Paper does not reach the duplexing unit path exit sensor after it has passed the duplexing unit path entrance sensor.	P. 8-67
E550	Other paper jam	Paper remaining jam on the transport path: The paper is remaining on the transport path when printing is finished.	P. 8-77
E551		Paper remaining jam on the transport path: (when a service call occurs)	P. 8-79
E552		Paper remaining jam on the transport path: (when the cover is closed)	P. 8-79
E570	Paper transport jam	Jam not reaching the bridge unit.	P. 8-68
E580		Stop jam at the bridge unit	P. 8-68
E590		Jam not reaching the upper paper exit sensor	P. 8-48
E5A0		Stop jam at the upper paper exit sensor	P. 8-49
E712	RADF jam	Jam not reaching the original registration sensor: The original fed from the original feeding tray does not reach the original registration sensor.	P. 8-84
E714		Feed signal reception jam: The feed signal is received even no original exists on the original feeding tray.	P. 8-84
E721		Jam not reaching the read sensor: The original does not reach the read sensor after it has passed the registration sensor (when scanning obverse side) or the reverse sensor (when scanning reverse side).	P. 8-85

Error code	Classification	Contents	Troubleshooting
E722	RADF jam	Jam not reaching the original exit/reverse sensor (during scanning): The original which passed the read sensor does not reach the original exit/reverse sensor when it is transported from the scanning section to exit section.	P. 8-85
E724		Stop jam at the original registration sensor: The trailing edge of the original does not pass the original registration sensor after its leading edge has reached this sensor.	P. 8-86
E725		Stop jam at the read sensor: The trailing edge of the original does not pass the read sensor after its leading edge has reached this sensor.	P. 8-85
E726		Transport/exit signal reception jam: RADF receives the transport/exit reception signal from the equipment when no original is at the exposure waiting position.	P. 8-86
E727		Jam not reaching the original reading end sensor	P. 8-86
E729		Stop jam at the original reading end sensor	P. 8-87
E731		Stop jam at the original exit/reverse sensor: The trailing edge of the original does not pass the original exit/reverse sensor after its leading edge has reached this sensor.	P. 8-87
E744		Stop jam at the original exit/reverse sensor	P. 8-88
E745		Jam not reaching the original exit reverse sensor	P. 8-88
E746		Exit/reverse sensor paper remaining jam	P. 8-89
E762		Registration sensor paper remaining jam	P. 8-89
E770		Original width detection sensor-1 paper remaining jam	P. 8-89
E771		Original width detection sensor-2 paper remaining jam	P. 8-89
E772		Original width detection sensor-3 paper remaining jam	P. 8-89
E773		Intermediate transport sensor paper remaining jam	P. 8-89
E774		Reading start sensor paper remaining jam	P. 8-85
E775		Reading end sensor paper remaining jam	P. 8-89
E777		Exit sensor paper remaining jam	P. 8-89
E860		Original jam access cover open jam	P. 8-90
E870		RADF open jam	P. 8-91
E871	Cover open jam in the read ready status	P. 8-91	
E890	ADF time out jam	P. 8-91	

Error code	Classification	Contents	Troubleshooting
E910	Paper transport jam (Relay transport section)	Jam at the bridge unit transport sensor 1: The paper does not reach the bridge unit transport sensor 1 after it has passed the exit sensor.	P. 8-92
E920		Stop jam at the bridge unit transport sensor 1: The trailing edge of the paper does not pass the bridge unit transport sensor 1 after its leading edge has reached the sensor.	P. 8-92
E930		Jam at the bridge unit transport sensor 2: The trailing edge of the paper does not reach the bridge unit transport sensor 2 after its leading edge has reached the bridge unit transport sensor 1.	P. 8-93
E940		Stop jam at the bridge unit transport sensor 2: The trailing edge of the paper does not pass the bridge unit transport sensor 2 after its leading edge has reached the bridge unit transport sensor 2.	P. 8-93
E970	Paper transport jam (Exit section)	Jam not reaching the lower paper exit sensor: Paper transported from the bridge unit does not reach the lower paper exit sensor.	P. 8-49
E980		Stop jam at the lower paper exit sensor: Paper transported from the bridge unit does not pass the lower paper exit sensor.	P. 8-50
E9F0	Finisher jam (Punch unit)	Punching jam: Punching is not performed properly. [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-104
EA10	Finisher jam (Finisher section)	Transport delay jam (paper not inserted)	P. 8-94
EA20		Paper transport jam in Finisher (entrance sensor)	P. 8-94
EA21		Paper size error jam: Paper does not reach the sensor because the paper is shorter than spec. [MJ-1103/1104]	P. 8-95
EA22		Paper transport jam (Finisher paper punching edge detection sensor): [MJ-1103/1104]	P. 8-95
EA23		Paper transport jam (exit sensor): [MJ-1103/1104]	P. 8-96
EA24		Paper transport jam (between entrance and exit sensors): [MJ-1103/1104]	P. 8-96
EA25		Paper transport jam (after paper stack exit): [MJ-1103/1104]	P. 8-97
EA26		Paper transport jam (stop command request): [MJ-1103/1104]	P. 8-97
EA27		Paper transport jam (paper not inserted): [MJ-1103/1104]	P. 8-97
EA28		Paper transport jam (assisting arm operation delay): [MJ-1103/1104]	P. 8-98
EA29		Paper transport jam (stack transport delay): [MJ-1103/1104]	P. 8-98

Error code	Classification	Contents	Troubleshooting
EA31	Finisher jam (Finisher section)	Transport path paper remaining jam: [MJ-1103/1104]	P. 8-98
EA32		Exit paper remaining jam: [MJ-1103/1104]	P. 8-99
EA40		Door open jam: The upper/front cover of the finisher section or the upper/ front door of the puncher section has opened during printing. [MJ- 1103/1104] Cover open error: The front cover or stationary tray cover is opened during paper transport. [MJ-1103/ 1104]	P. 8-99
EA50		Stapling jam: Stapling is not performed properly. [MJ-1103/1104]	P. 8-100
EA60		Early arrival jam: [MJ-1103/1104]	P. 8-100
EA70		Stack exit belt home position error: The stack exit belt is not at the home position. [MJ-1103/1104]	P. 8-101
EA90		Finisher jam (Saddle stitcher section)	Door open jam: [MJ-1104].
EAA0	Power-ON jam: [MJ-1104]		P. 8-102
EAB0	Transport stop jam: The paper which passed through the inlet sensor does not reach or pass No.1 paper sensor, No. 2 paper sensor, No.3 paper sensor or delivery sensor. [MJ-1104]		P. 8-102
EAB1	Short paper jam (Saddle Stitch Finisher). [MJ-1104]		P. 8-103
EAD0	Other paper jam	Print end command time-out jam: The printing has not finished normally because of an error occurring on the interface between the SYS board and the engine firmware at the end of printing.	P. 8-104
EAE0	Finisher jam	Receiving time-out jam	P. 8-105
EB30		Ready time-out jam	P. 8-105
EB50	Paper transport jam	Paper remaining on the transport path: The multiple feeding of preceding paper caused the misfeeding of upcoming paper.	P. 8-70
EB60		Paper remaining on the transport path: The multiple feeding of preceding paper caused the misfeeding of upcoming paper (redetection after no jam is detected at [EB50]).	P. 8-71
ED10	Finisher jam	Skew adjustment motor (M1) home position detection abnormality	P. 8-106
ED11		Sideways adjustment motor (M2) home position detection error	P. 8-106
ED12		Shutter home position error	P. 8-107
ED13		Front alignment plate home position error	P. 8-107

Error code	Classification	Contents	Troubleshooting
ED14	Finisher jam (Finisher section)	Rear alignment plate home position error: The rear alignment plate is not at the home position. [MJ-1103/1104]	P. 8-108
ED15		Paddle home position error	P. 8-108
ED16		Buffer tray home position error	P. 8-108
EF10	Finisher jam (Saddle section)	Paper not supported for Saddle Stitch Finisher: Unsupported paper size, type and an excess number of pages for stapling are selected.	P. 8-109
EF11		Saddle Stitch Finisher stapling error (front): Front stapling is not correctly done.	P. 8-109
EF12		Saddle Stitch Finisher stapling error (rear): Rear stapling is not correctly done.	P. 8-110
EF13		Saddle paper holder home position detection abnormality: The paper holder home position cannot be detected.	P. 8-110
EF14		Saddle paper exit jam: Outputting paper is not completed within a fixed time.	P. 8-111
EF15		Saddle Stitch Finisher side alignment motor home position detection abnormality: The side alignment motor home position cannot be detected.	P. 8-111
EF16		Saddle Stitch Finisher stacker motor home position detection abnormality: The stacker motor home position cannot be detected.	P. 8-112
EF17		Saddle Stitch Finisher folding blade home position detection abnormality: The folding blade home position cannot be detected.	P. 8-112
EF18		Saddle Stitch Finisher additional folding roller home position detection abnormality: The additional folding roller home position cannot be detected.	P. 8-112
EF19		Saddle paper folding jam: Fold processed paper cannot be transported to the additional folding roller.	P. 8-113
EF20		Saddle stacker jam: Transported paper cannot be detected in the stacker.	P. 8-113
EF21		Finisher jam (Hole punch unit)	Hole Punch Unit paper leading edge skew detection abnormality: One of the 2 skew sensors cannot detect the paper within a fixed time.
EF22	Hole Punch Unit paper leading edge detection abnormality: The paper leading edge cannot be detected within a fixed time after its skew is found.		P. 8-115
EF23	Hole Punch Unit paper alignment abnormality: The paper position cannot be detected due to the sideway registration mechanism.		P. 8-115
EF24	Hole Punch Unit paper trailing edge skew detection abnormality: One of the 2 skew sensors cannot detect the paper within a fixed time.		P. 8-116

Error code	Classification	Contents	Troubleshooting
EF25	Finisher jam (Hole punch unit)	Hole Punch Unit paper trailing edge detection abnormality: The paper trailing edge cannot be detected within a fixed time after its skew is found.	P. 8-116
EF27		Hole Punch Unit paper edge detection order abnormality-1: The paper leading edge is detected before its skew is detected.	P. 8-117
EF28		Hole Punch Unit paper edge detection order abnormality-2: The paper trailing edge is detected before its skew is detected.	P. 8-117

8.2.2 Service call

Error code	Classification	Contents	Troubleshooting
C021	Copy process related service call	Developer unit motor-YMC locking error: The developer unit motor-YMC is not rotating normally.	P. 8-181
C022		Developer unit mixer motor-YMC locking error: The developer unit mixer motor-YMC is not rotating normally.	P. 8-181
C023		Developer unit motor-K locking error: The developer unit motor-K is not rotating normally.	P. 8-182
C024		Developer unit mixer motor-K locking error: The developer unit mixer motor-K is not rotating normally.	P. 8-183
C130	Paper feeding system related service call	1st drawer tray abnormality: The tray-up motor is not rotating or the 1st drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 1st drawer)	P. 8-118
C140		2nd drawer tray abnormality: The tray-up motor is not rotating or the 2nd drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 2nd drawer)	P. 8-118
C150		3rd drawer tray abnormality: The 3rd drawer tray-up motor is not rotating or the 3rd drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 3rd drawer)	P. 8-118
C160		4th drawer tray abnormality: The 4th drawer tray-up motor is not rotating or the 4th drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 4th drawer)	P. 8-118
C180		LCF tray-up motor abnormality: The LCF tray-up motor is not rotating or the LCF tray is not moving normally. (the case that paper can be fed from any drawer except the LCF)	P. 8-119
C1A0		LCF end fence motor abnormality: The LCF end fence motor is not rotating or the LCF end fence is not moving normally. (the case that paper can be fed from any drawer except the LCF)	P. 8-119
C1C0		Option LCF tray-up motor abnormality: The option LCF tray-up motor is not moving normally	P. 8-120

Error code	Classification	Contents	Troubleshooting
C260	Scanning system related service call	Peak detection error: Lighting of the exposure lamp (white reference) is not detected when power is turned ON.	P. 8-121
C270		(1) Carriage home position sensor not turning OFF within a specified period of time: The carriage does not shift from its home position in a specified time. (2) Downloading firmware with an incorrect model.	P. 8-122
C280		Carriage home position sensor not turning ON within a specified period of time:	P. 8-122
C290		Scanner fuse blowout: 24V power for the scanning system is not supplied at the scanner warming-up after power-ON.	P. 8-123
C360	Copy process related service call	Needle electrode cleaner operation abnormality	P. 8-183
C370		Transfer belt operation abnormality	P. 8-184
C380		Auto-toner sensor-K abnormality (upper limit)	P. 8-184
C381		Auto-toner sensor-K abnormality (lower limit)	P. 8-184
C382		Auto-toner sensor-K connection error	P. 8-184
C390		Auto-toner sensor-C abnormality (upper limit)	P. 8-185
C391		Auto-toner sensor-C abnormality (lower limit)	P. 8-185
C392		Auto-toner sensor-C connection error	P. 8-185
C3A0		Auto-toner sensor-M abnormality (upper limit)	P. 8-185
C3A1		Auto-toner sensor-M abnormality (lower limit)	P. 8-185
C3A2		Auto-toner sensor-M connection error	P. 8-185
C3B0		Auto-toner sensor-Y abnormality (upper limit)	P. 8-185
C3B1		Auto-toner sensor-Y abnormality (lower limit)	P. 8-185
C3B2		Auto-toner sensor-Y connection error	P. 8-185
C3C0		Process unit connection error	P. 8-185
C411	Fuser unit related service call	Thermistor or IH abnormality at power-ON	P. 8-124
C412		Thermistor/IH abnormality at power-ON	P. 8-124
C443		IH abnormality after abnormality judgment (not reaching to intermediate temperature)	P. 8-125
C445		IH abnormality after abnormality judgment (pre-running end temperature abnormality)	P. 8-125
C446		IH abnormality after abnormality judgment (pre-running end temperature abnormality)	P. 8-125
C447		IH abnormality after abnormality judgment (temperature abnormality at ready status)	P. 8-125
C448		IH continuous lighting abnormality: IH lights continuously for a certain period of time when the pressure roller temperature during ready status is higher than the specified	P. 8-126
C449		IH abnormality after abnormality judgment (high temperature abnormality)	P. 8-125
C461		Pressure roller heater 40°C detection (Not determined)	P. 8-126
C462		Pressure roller heater 40°C detection (Determined)	P. 8-126

Error code	Classification	Contents	Troubleshooting	
C464	Fuser unit related service call	Pressure roller thermistor temperature difference	P. 8-126	
C467		Pressure roller thermistor abnormality after entering ready status (temperature abnormality at ready status)	P. 8-127	
C468		Pressure roller thermistor abnormality after entering ready status (overheating)	P. 8-127	
C471		IH board initialization abnormality	P. 8-128	
C472		Power supply abnormality	P. 8-128	
C473		Surge pressure detection / power and voltage upper limit abnormality	P. 8-129	
C474		Power and voltage lower limit abnormality	P. 8-129	
C480		IGBT high temperature abnormality	P. 8-129	
C481		IH drive circuit abnormality	P. 8-130	
C490		IH circuit abnormality / IH coil abnormality	P. 8-130	
C4B0		Fuser unit counter abnormality	P. 8-131	
C4B1		Fuser unit voltage judgment abnormality	P. 8-131	
C4E0		Fuser pressure release abnormality - Though the pressure roller is released, its position cannot be detected.	P. 8-132	
C4E1		Fuser pressure contact abnormality - Though the pressure roller is contacted, its position cannot be detected.	P. 8-132	
C4E2		Fuser belt rotation detection sensor abnormality - The fuser belt does not rotate or incorrectly rotates.	P. 8-132	
C550		Optional communication related service call	RADF I/F error: Communication error has occurred between the RADF and the scanner.	P. 8-133
C560			Communication error between Engine-CPU and PFC board	P. 8-134
C570	Communication error between Engine-CPU and CNV-CPU		P. 8-134	
C580	Communication error between CNV-CPU and finisher		P. 8-134	
C5A0	Circuit related service call	SRAM board data abnormality (LGC board)	P. 8-139	
C5A1		SRAM board data abnormality (LGC board)	P. 8-140	
C730	RADF service call	RADF EEPROM error: Data abnormality occurs during the EEPROM writing of the RADF is performed.	P. 8-137	
C880		RADF original feed motor abnormality: An error signal has been detected when the motor is rotating.	P. 8-137	
C890		RADF read motor abnormality: An error signal has been detected when the motor is rotating.	P. 8-137	
C8A0		RADF original reverse motor abnormality: An error signal has been detected when the motor is rotating.	P. 8-138	
C8B0		RADF original exit motor abnormality: An error signal has been detected when the motor is rotating.	P. 8-138	

Error code	Classification	Contents	Troubleshooting
C8C0	RADF service call	RADF original reading start sensor abnormality: The automatic adjustment for the original reading start sensor has been performed, but is ended unsuccessfully.	P. 8-139
C8E0		RADF communication protocol abnormality: The system has to be stopped because the control abnormality occurred.	P. 8-139
C900	Circuit related service call	Connection error between SYS board and LGC board	P. 8-140
C901		System format error for scanner	P. 8-140
C940		Engine-CPU abnormality	P. 8-141
C962		LGC board ID abnormality	P. 8-141
C963		Connection detection error between the IMG board and the LGC board	P. 8-141
C970	Process related service call	High-voltage transformer abnormality: Leakage of the main charger is detected.	P. 8-186
C9E0	Circuit related service call	Connection error between SLG board and SYS board	P. 8-142
CA00	Image control related service call	Color registration abnormality	P. 8-164
CA10	Laser optical unit related service call	Polygonal motor abnormality: The polygonal motor is not rotating normally.	P. 8-144
CA20		H-Sync detection error: H-Sync signal detection PC board cannot detect laser beams.	P. 8-145
CA47		SNS board abnormality: The SNS board does not operate due to disconnection or the harness breaking.	P. 8-146
CB00	Finisher related service call	Finisher not connected: Communication error has occurred between the equipment and finisher. [MJ-1103/1104]	P. 8-147
CB01		Finisher communication error: Communication error has occurred between the equipment and finisher. [MJ-1103/1104]	P. 8-147
CB10		Entrance motor abnormality: The entrance motor is not rotating normally. [MJ-1103/1104]	P. 8-147
CB11		Buffer tray guide motor abnormality: The buffer tray guide motor is not rotating or the buffer tray guide is not moving normally. [MJ-1103/1104]	P. 8-148
CB12		Finisher related service call	Buffer roller drive motor abnormality: The buffer roller drive motor is not rotating or the buffer roller is not moving normally. [MJ-1103/1104]
CB13		Finisher exit motor abnormality	P. 8-148
CB14		Paper holding arm motor abnormality	P. 8-149
CB30		Movable tray shift motor abnormality [MJ-1103/1104]	P. 8-149
CB31		Movable tray paper-full detection error [MJ-1103/1104]	P. 8-150

Error code	Classification	Contents	Troubleshooting
CB40	Finisher related service call	Rear aligning plate motor abnormality: Rear aligning plate motor is not rotating or aligning plate is not moving normally. [MJ-1103/1104] Front alignment motor abnormality: The front alignment motor is not rotating or the front alignment plate is not moving normally. [MJ-1103/1104]	P. 8-150
CB50		Stapler home position error: The stapler home position sensor does not work. [MJ-1103/1104]	P. 8-151
CB51		Stapler shift home position error: The stapler is not at the home position. [MJ-1103/1104]	P. 8-151
CB60		Stapler shift motor abnormality: Stapler shift motor is not rotating or staple unit is not moving normally. [MJ-1103/1104]	P. 8-151
CB80		Backup RAM data abnormality: Abnormality of checksum value on finisher controller PC board is detected when the power is turned ON	P. 8-152
CB81		Flash ROM abnormality: Abnormality of checksum value on finisher controller PC board is detected when the power is turned ON. [MJ-1103/1104]	P. 8-152
CB82		Finisher - Main CPU program error	P. 8-153
CB83		Saddle Stitch Finisher - Main CPU program error	P. 8-153
CB84		Hole Punch Unit - Main CPU program error	P. 8-153
CB91		Saddle Stitch Finisher flash ROM abnormality	P. 8-153
CB92		Saddle Stitch Finisher RAM abnormality	P. 8-154
CB93		Additional folding motor abnormality	P. 8-154
CB94		Saddle transport motor abnormality	P. 8-155
CB95		Stacker motor abnormality	P. 8-155
CBA0		Stitch motor (front) abnormality: Stitch motor (front) is not rotating or rotary cam is not moving normally. [MJ-1103/1104]	P. 8-155
CBB0		Stitch motor (rear) abnormality: Stitch motor (rear) is not rotating or rotary cam is not moving normally. [MJ-1103/1104]	P. 8-155
CBC0		Alignment motor abnormality: Alignment motor is not rotating or aligning plate is not moving normally. [MJ-1103/1104]	P. 8-156
CBE0		Paper folding motor abnormality: Paper folding motor or paper folding roller is not rotating normally. [MJ-1103/1104]	P. 8-156
CC20		Communication error between finisher and saddle stitche: Communication error between finisher controller PC board and saddle stitche controller board [MJ-1103/1104]	P. 8-157
CC30		Stack transport motor abnormality: The stack transport motor is not rotating or the stack transport belt is not moving normally. [MJ-1103/1104]	P. 8-157

Error code	Classification	Contents	Troubleshooting	
CC31	Finisher related service call	Transport motor abnormality: The transport motor is not rotating or the stack transport roller -1 and -2 is not rotating normally. [MJ-1103/1104]	P. 8-158	
CC41		Paper holder cam home position abnormality: The paper holder cam is not at the home position. [MJ-1103/1104]	P. 8-158	
CC51		Sideways adjustment motor (M2) abnormality: Sideways adjustment motor is not rotating or puncher is not shifting normally. [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-159	
CC52		Skew adjustment motor (M1) abnormality: Skew adjustment motor is not rotating or puncher is not shifting normally. [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-159	
CC60		Punch motor abnormality: Punch motor is not rotating or puncher is not shifting normally. [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-160	
CC61		Punch motor (M3) home position detection error: Punch motor is not rotating or puncher is not shifting normally. [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-160	
CC71		Punch ROM checksum error [MJ-6102]	P. 8-161	
CC72		Punch RAM read/write error [MJ-6102]	P. 8-161	
CC73		Punching device power supply abnormality	P. 8-161	
CC74		Punch unit transport pulse abnormality	P. 8-161	
CC80		Rear alignment motor abnormality [MJ-1103/1104]	P. 8-161	
CD60		Process related service call	Sub-hopper toner sensors abnormality.	P. 8-186
CD61			Sub-hopper toner motor-Y abnormality.	P. 8-187
CD62			Sub-hopper toner motor-M abnormality.	P. 8-187
CD63	Sub-hopper toner motor-C abnormality.		P. 8-187	
CD64	Sub-hopper toner motor-K abnormality.		P. 8-187	
CD71	Waste toner transport motor locking error: The auger in the waste toner transport path does not rotate.		P. 8-188	
CD80	TRU waste toner motor locking error: The auger (TRU side) in the TRU waste toner transport path does not rotate.		P. 8-188	
CD81	TRU waste toner transport motor locking error: The auger (waste toner box side) in the TRU waste toner transport path does not rotate.		P. 8-189	
CD82	TRU waste toner full-status error -		P. 8-189	
CDE0	Paddle motor abnormality: The paddle motor is not rotating or the paddle is not rotating normally. [MJ-1103/1104]		P. 8-162	

Error code	Classification	Contents	Troubleshooting
CE00	Process related service call	Communication error between finisher and punch unit: Communication error between finisher controller PC board and punch controller PC board [MJ-1103/1104 (when MJ-6102 is installed)]	P. 8-162
CE10	Image control related service call	Image quality sensor abnormality (OFF level): The output value of this sensor is out of a specified range when sensor light source is OFF.	P. 8-171
CE20		Image quality sensor abnormality (no pattern level): The output value of this sensor is out of a specified range when the image quality control test pattern is not formed.	P. 8-171
CE40		Image quality control test pattern abnormality: The test pattern is not formed normally.	P. 8-173
CE41		Image quality TRC control test pattern abnormality: The image quality TRC control test pattern is not printed normally.	P. 8-175
CE42		Image quality TRC control test pattern abnormality (EFI printer board): Image quality TRC control test pattern is not printed normally.	P. 8-177
CE50		Temperature/humidity sensor abnormality: The output value of this sensor is out of a specified range.	P. 8-178
CE60	Copy process related service call	Drum thermistor-Y abnormality: The output value of the drum thermistor-Y is out of a specified range.	P. 8-178
CE71		Drum phase adjustment abnormality: Drum phase sensors (Color drum phase sensor and K drum phase sensor) are not turned ON after the drum motor was rotated for a specified period of time.	P. 8-179
CE90		Drum thermistor-K abnormality: The output value of the drum thermistor-K is out of a specified range.	P. 8-178
CEC0		2nd transfer roller position detection abnormality: The 2nd transfer roller does not contact/release normally.	P. 8-190
CEC5		Incorrect cam position alarm during 2nd transfer	P. 8-191
CF10	Finisher related service call	Communication module SRAM reading failure.	P. 8-162
CF90	Laser optical unit related service call	Laser optical unit shutter abnormality.	P. 8-145
CFA0	Paper transport service call	Media sensor output abnormality before paper reaching: The sensor output value before paper is reached to the media sensor is not normal.	P. 8-146
CFA1		Media sensor output abnormality during paper passing: The sensor output value while paper is being passed is not normal.	P. 8-146

Error code	Classification	Contents	Troubleshooting
F070	Communication related service call	Communication error between System-CPU and Engine-CPU	P. 8-136
F090	Circuit related service call	SRAM abnormality on the SYS board	P. 8-142
F100_0	Other service call	HDD format error: Operation of HDD key data fails.	P. 8-192
F100_1		HDD format error: Encryption key data of either the SYS board or the SRAM board for the SYS board are damaged.	P. 8-192
F100_2		HDD format error: Encryption key data of both the SYS board and the SRAM board for the SYS board are damaged.	P. 8-193
F101_0		HDD connection error (HDD connection cannot be detected.)	P. 8-194
F101_1		Root partition mount error (HDD formatting fails.): The HDD cannot be connected (mounted) caused by damage to the areas in which the program is mainly stored.	P. 8-194
F101_2		Partition mount error: The HDD cannot be connected (mounted) caused by damage to areas other than those described in the F101_1 and F101_4 to F101_10 errors.	P. 8-194
F101_3		Partition mount error: The HDD cannot be connected (mounted) caused by damage to areas other than those described in the F101_1 and F101_4 to F101_10 errors.	P. 8-194
F101_4		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/work" partition.	P. 8-195
F101_5		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/registration" partition.	P. 8-196
F101_6		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/backup" partition.	P. 8-197
F101_7		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/imagedata" partition.	P. 8-198
F101_8		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/storage" partition.	P. 8-199
F101_9		Partition mount error: The HDD cannot be connected (mounted) caused by damage to the "/encryption" partition.	P. 8-200
F101_10		Partition mount error: The file link error in the "/work" partition.	P. 8-195
F102		HDD start error: HDD cannot become 'Ready' state.	P. 8-201
F103		HDD transfer time-out: Reading/writing cannot be performed in the specified period of time.	P. 8-201
F104	HDD data error: Abnormality is detected in the data of HDD.	P. 8-201	
F105	HDD other error	P. 8-201	

Error code	Classification	Contents	Troubleshooting	
F106_0	Circuit related service call	ADI-HDD error: Illegal disk replacement detected (ADI-HDD Exchange to SATA-HDD)	P. 8-201	
F106_1		ADI-HDD error: HDD type detection error	P. 8-202	
F106_2		ADI-HDD error: ADI encryption key download operation error	P. 8-202	
F106_3		ADI-HDD error: ADI authentication Admin Password generation error	P. 8-203	
F106_4		ADI-HDD error: Authentication random number generation error	P. 8-203	
F106_5		ADI-HDD error: Authentication data transmission error	P. 8-204	
F106_6		ADI-HDD error: Error caused by reason other than F106_0 to 5 errors		P. 8-204
F106_7				P. 8-204
F106_8				P. 8-204
F106_10				P. 8-204
F106_UN DEF				P. 8-204
F109_0			Key consistency error: Consistency check operation error.	P. 8-204
F109_1			Key consistency error: SRAM encryption AES key data damage.	P. 8-205
F109_2			Key consistency error: Signature Check public key damage.	P. 8-205
F109_3			Key consistency error: HDD encryption parameter damage.	P. 8-206
F109_4			Key consistency error: license data damage.	P. 8-207
F109_5			Key consistency error: Encryption key for ADI-HDD is damaged.	P. 8-208
F109_6		Key consistency error: Administrator password error for ADI-HDD authentication.	P. 8-210	
F110	Communication related service call	Communication error between System-CPU and Scanner-CPU	P. 8-136	
F111		Scanner response abnormality	P. 8-136	
F120	Other service call	Database abnormality: Database is not operating normally.	P. 8-212	
F121		Database abnormality (user information management database)	P. 8-212	
F122		Database abnormality (Message/Job log management database)	P. 8-213	
F124		Database abnormality: Database is not operating normally. (Language management database)	P. 8-213	
F130		Invalid MAC address	P. 8-213	
F131		Error due to damage to filtering setting file	P. 8-213	
F140		ASIC format error: ASIC formatting fails or memory acquiring fails when software is formatted	P. 8-214	
F200		Data Overwrite option (GP-1070) disabled	P. 8-214	
F350		Circuit related service call	SLG board abnormality	P. 8-143
F400			SYS board cooling fan abnormality	P. 8-143

Error code	Classification	Contents	Troubleshooting
F500	Other service call	HD partition damage	P. 8-215
F510		Application start error	P. 8-215
F520		Operating system start error	P. 8-215
F521		Integrity check error	P. 8-216
F550		Encryption partition error	P. 8-216
F600		Software update error	P. 8-216
F700		Overwrite error	P. 8-217
F800		Date error	P. 8-217
F900		Model information error	P. 8-218

8.2.3 Error in Internet FAX / Scanning Function

1. Internet FAX related error

Error code	Classification	Troubleshooting
1C10	System access abnormality	P. 8-219
1C11	Insufficient memory	P. 8-219
1C12	Message reception error	P. 8-219
1C13	Message transmission error	P. 8-219
1C14	Invalid parameter	P. 8-220
1C15	Exceeding file capacity	P. 8-220
1C30	Directory creation failure	P. 8-220
1C31	File creation failure	P. 8-220
1C32	File deletion failure	P. 8-219
1C33	File access failure	P. 8-220
1C40	Image conversion abnormality	P. 8-221
1C60	HDD full failure during processing	P. 8-221
1C61	Address Book reading failure	P. 8-221
1C63	Terminal IP address unset	P. 8-221
1C64	Terminal mail address unset	P. 8-222
1C65	SMTP address unset	P. 8-222
1C66	Server time-out error	P. 8-222
1C69	SMTP server connection error	P. 8-223
1C6B	Terminal mail address error	P. 8-223
1C6C	Destination mail address error	P. 8-223
1C6D	System error	P. 8-223
1C70	SMTP client OFF	P. 8-224
1C71	SMTP authentication error	P. 8-224
1C72	POP before SMTP error	P. 8-224
1CC0	Job canceling	-
1CC1	Power failure	P. 8-225

2. RFC related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2500	Syntax error, command unrecognized	HOST NAME error (RFC: 500) Destination mail address error (RFC: 500) Terminal mail address error (RFC: 500)	P. 8-225
2501	Syntax error in parameters or arguments	HOST NAME error (RFC: 501) Destination mail address error (RFC: 501) Terminal mail address error (RFC: 501)	P. 8-225
2503	Bad sequence of commands	Destination mail address error (RFC: 503)	P. 8-225
2504	Command parameter not implemented	HOST NAME error (RFC: 504)	P. 8-225

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2550	Mailbox unavailable	Destination mail address error (RFC: 550)	P. 8-226
2551	User not local	Destination mail address error (RFC: 551)	P. 8-225
2552	Insufficient system storage	Terminal/Destination mail address error (RFC: 552)	P. 8-226
2553	Mailbox name not allowed	Destination mail address error (RFC: 553)	P. 8-226

3. Electronic Filing related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2B11	Job status failed.	JOB status abnormality	P. 8-226
2B20	Failed to access file.	File library function error	P. 8-226
2B30	Insufficient disk space.	Insufficient disk space in /BOX partition	P. 8-226
2B31	Failed to access Electronic Filing.	Status of specified Electronic Filing or folder is undefined or being created/deleted	P. 8-227
2B50	Failed to process image.	Image library error	P. 8-227
2B51	Failed to process print image.	List library error	P. 8-228
2B71	Document(s) expire(s) in a few days	Documents expiring in a few days exist	-
2B80	Hard Disk space for Electronic Filing nearly full.	Hard disk space in /BOX partition is nearly full (90%).	-
2B90	Insufficient Memory.	Insufficient memory capacity	P. 8-227
2BA0	Invalid Box password specified.	Invalid Box password	P. 8-228
2BA1	Incorrect paper size / invalid color mode / invalid resolution	The specified paper size, color mode or resolution is not available.	P. 8-228
2BB0	Job canceled	Job canceling	-
2BB1	Power failure occurred	Power failure	P. 8-229
2BC0	System fatal error.	Fatal failure occurred	P. 8-226
2BD0	Power failure occurred during e-Filing restoring.	Power failure occurred during restoring of Electronic Filing	P. 8-229
2BE0	Failed to get machine parameter.	Machine parameter reading failure	P. 8-229
2BF0	Maximum number of page range is reached.	Exceeding maximum number of pages	P. 8-229
2BF1	Maximum number of document range is reached.	Exceeding maximum number of documents	P. 8-229
2BF2	Maximum number of folder range is reached.	Exceeding maximum number of folders	P. 8-230

4. Remote scanning related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2A20	Failed to acquire resource	System management module resource acquiring failure	P. 8-230
2A31	WS Scan function is not available	Disabled WS Scan	P. 8-230
2A40	System fatal error	System error	P. 8-230
2A50	Job canceling	Job canceling	-
2A51	Power failure	Power failure	P. 8-231
2A60	Authentication for WS Scan failed	WS Scan user authentication failure	P. 8-231
2A70	Insufficient permission to execute RemoteScan	Remote Scan privilege check error	P. 8-231
2A71	Insufficient permission to execute WS Scan	WS Scan privilege check error	P. 8-232
2A72	Insufficient permission to access e-Filing box using scan utility.	e-Filing data access privilege check error (Scan Utility)	P. 8-232

5. E-mail related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2C10	Illegal Job status	System access abnormality	P. 8-232
2C11	Not enough memory	Insufficient memory	P. 8-232
2C12	Illegal Job status	Message reception error	P. 8-233
2C13	Illegal Job status	Message transmission error	P. 8-233
2C14	Invalid parameter specified	Invalid parameter	P. 8-233
2C15	Email size exceeded limit or maximum size	Exceeding file capacity	P. 8-233
2C20	Illegal Job status	System management module access abnormality	P. 8-234
2C21	Illegal Job status	Job control module access abnormality	P. 8-234
2C22	Illegal Job status	Job control module access abnormality	P. 8-234
2C30	Failed to create directory	Directory creation failure	P. 8-234
2C31	Failed to create file	File creation failure	P. 8-234
2C32	Failed to delete file	File deletion failure	P. 8-232
2C33	Failed to create file	File access failure	P. 8-234
2C40	Failed to convert image file format	Image conversion abnormality	P. 8-234
2C43	Encryption error. Failed to create file	Encryption error	P. 8-235
2C44	Creating the image file was not permitted.	Encryption PDF enforced mode error	P. 8-235
2C45	Failed in making meta data.	Meta data creation error (Scan to Email)	P. 8-235
2C60	Failed to process your Job. Insufficient disk space.	HDD full failure during processing	P. 8-235
2C61	Failed to read AddressBook	Address Book reading failure	P. 8-236

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2C62	Not enough memory	Memory acquiring failure	P. 8-234
2C63	Invalid Domain Address	Terminal IP address unset	P. 8-236
2C64	Invalid Domain Address	Terminal mail address unset	P. 8-236
2C65	Failed to connect to SMTP server	SMTP address unset	P. 8-237
2C66	Failed to connect to SMTP server	Server time-out error	P. 8-237
2C69	Failed to connect to SMTP server	SMTP server connection error	P. 8-237
2C6A	Failed to send E-Mail message	HOST NAME error (No RFC error)	P. 8-237
2C6B	Invalid address specified in From: field	Terminal mail address error	P. 8-238
2C6C	Invalid address specified in To: field	Destination mail address error (No RFC error)	P. 8-238
2C70	SMTP service is not available	SMTP client OFF	P. 8-238
2C71	Failed SMTP Authentication	SMTP authentication error	P. 8-239
2C72	POP Before SMTP Authentication Failed	POP before SMTP error	P. 8-239
2C80	Failed to process received E-mail job	E-mail transmission failure when processing E-mail job received	P. 8-239
2C81	Failed to process received Fax job	Process failure of FAX job received	P. 8-239
2CC0	Job canceled	Job canceling	-
2CC1	Power failure occurred	Power failure	P. 8-240

6. File sharing related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2D10	Illegal Job status	System access abnormality	P. 8-240
2D11	Not enough memory	Insufficient memory	P. 8-240
2D12	Illegal Job status	Message reception error	P. 8-241
2D13	Illegal Job status	Message transmission error	P. 8-241
2D14	Invalid parameter specified	Invalid parameter	P. 8-241
2D15	Document size exceeded limit or maximum size.	Exceeding the maximum size for file sharing	P. 8-241
2D30	Failed to create directory	Directory creation failure	P. 8-241
2D31	Failed to create file	File creation failure	P. 8-241
2D32	Failed to delete file	File deletion failure	P. 8-240
2D33	Failed to create file	File access failure	P. 8-241
2D40	Failed to convert image file format	Image conversion abnormality	P. 8-242
2D43	Encryption error. Failed to create file	Encryption error	P. 8-242
2D44	Creating the image file was not permitted.	Encryption PDF enforced mode error	P. 8-242
2D45	Failed in making meta data.	Meta data creation error (Scan to File)	P. 8-243

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2D62	Failed to connect to network destination. Check destination path	File server connection error	P. 8-243
2D63	Specified network path is invalid. Check destination path	Invalid network path	P. 8-243
2D64	Logon to file server failed. Check username and password	Login failure	P. 8-243
2D65	There are too many documents in the folder. Failed in creating new document.	Exceeding documents in folder: Creating new document is failed.	P. 8-244
2D66	Failed To Process your Job. Insufficient Storage space.	Storage capacity full failure during processing	P. 8-244
2D67	FTP service is not available	FTP service not available	P. 8-244
2D68	File Sharing service is not available	File sharing service not available	P. 8-245
2D69	NetWare service is not available	NetWare service not available	P. 8-245
2DA6	Failed to delete file.	File deletion failure	P. 8-240
2DA7	Failed to acquire resource.	Resource acquiring failure	P. 8-240
2DC0	Job Canceled	Job Canceled	-
2DC1	Power failure occurred	Power failure	P. 8-245
2E10	Failed to store document(s) in USB folder.	USB storage system access abnormality	P. 8-245
2E11	Failed to store document(s) in USB folder.	Insufficient memory capacity for USB storage	P. 8-246
2E12	Failed to store document(s) in USB folder.	Message reception error in USB storage	P. 8-246
2E13	Failed to store document(s) in USB folder.	Message transmission error in USB storage	P. 8-246
2E14	Failed to store document(s) in USB folder.	Invalid parameter for USB storage	P. 8-246
2E15	Document size exceeded limit or maximum size	Exceeding the maximum size for file sharing	P. 8-246
2E30	Failed to store document(s) in USB folder.	Creation of a directory failed.	P. 8-247
2E31	Failed to store document(s) in USB folder.	File creation failure in USB storage	P. 8-247
2E32	Failed to store document(s) in USB folder.	File deletion failure in USB storage	P. 8-247
2E33	Failed to store document(s) in USB folder.	File access failure in USB storage	P. 8-248
2E40	Failed to convert image file format	Image conversion abnormality in USB storage	P. 8-248
2E43	Encryption error. Failed to create file.	Encryption failure in USB storage	P. 8-248
2E44	Creating the image file was not permitted.	Encryption PDF enforced mode error in USB storage	P. 8-248
2E45	Failed in making meta data.	Meta data creation error in USB storage (Scan to File)	P. 8-249

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
2E65	There are too many documents in folders. Failed in creating new document.	File creation error due to insufficient USB folder capacity	P. 8-249
2E66	Failed To Process your Job. Insufficient Storage space.	HDD full failure during USB storage	P. 8-249
2EC0	Job Canceled	Job Canceled	-
2EC1	Power Failure Job Aborted	Power failure in USB storage	P. 8-249

7. E-mail reception related error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
3A10	MIME Error has been detected in the received mail.	E-mail MIME error	P. 8-250
3A20	Analyze Error has been detected in the received mail.	E-mail analysis error	P. 8-250
3A30	Whole partial mails were not reached by timeout.	Partial mail time-out error	P. 8-250
3A40	Partial Mail Error has been detected in the received mail.	Partial mail related error	P. 8-251
3A50	HDD Full Error has been occurred in this mail.	Insufficient HDD capacity error	P. 8-251
3A70	Receiving partial mail was aborted since the partial mail setting has been changed to Disable.	Warning of partial mail interruption	P. 8-251
3A80	Partial mail was received during the partial mail setting is disabled.	Partial mail reception setting OFF	P. 8-252
3B10	Format Error has been detected in the received mail.	E-mail format error	P. 8-250
3B20	Content-Type Error has been detected in the received mail.	Content-Type error	P. 8-252
3B40	Decode Error has been detected in the received mail.	E-mail decode error	P. 8-250
3C10	Tiff Analyze Error has been detected in the received mail.	TIFF analysis error	P. 8-252
3C13	Tiff Analyze Error has been detected in the received mail.		P. 8-252
3C20	Tiff Compression Error has been detected in the received mail.	TIFF compression error	P. 8-252
3C30	Tiff Resolution Error has been detected in the received mail.	TIFF resolution error	P. 8-253
3C40	Tiff Paper Size Error has been detected in the received mail.	TIFF paper size error	P. 8-253
3C50	Offramp Destination Error has been detected in the received mail.	Offramp destination error	P. 8-253
3C60	Offramp Security Error has been detected in the received mail.	Offramp security error	P. 8-254
3C70	Power Failure has been occurred in Email receiving.	Power failure error	P. 8-254

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
3D10	SMTP Destination Error has been detected in the received mail. This mail was deleted.	Destination address error	P. 8-254
3D20	Offramp Destination limitation Error has been detected in the received mail.	Offramp destination limitation error	P. 8-255
3D30	Fax Board Error has been occurred in the received mail.	FAX board error	P. 8-255
3E10	POP3 Connection Error has been occurred in the received mail.	POP3 server connection error	P. 8-255
3E20	POP3 Connection Timeout Error has been occurred in the received mail.	POP3 server connection time-out error	P. 8-255
3E30	POP3 Login Error has been occurred in the received mail.	POP3 login error	P. 8-256
3E40	POP3 Login Error occurred in the received mail.	POP3 login method error	P. 8-256
3F10	File I/O Error has been occurred in this mail. The mail could not be received until File I/O is recovered.	File I/O error	P. 8-256
3F20			P. 8-256

8.2.4 Printer function error

Following codes are displayed at the end of the user name on the print job log screen.

Error code	Contents	Troubleshooting
4011	Print job cancellation - Print job (copy, list print, network print) is deleted from the print job screen.	P. 8-257
4021	Print job power failure - The power of the equipment is turned OFF during print job (copy, list print, network print).	P. 8-257
4031	HDD full during print - Large quantity image data by private print or invalid network print are saved in HDD.	P. 8-257
4041	User authentication error: The user who intended to print a document is not registered as a user.	P. 8-257
4042	Department authentication error? A department whose code is specified for a print job is not registered.	P. 8-257
4045	Problem in LDAP server connection or LDAP server authorization settings	P. 8-258
4111	Quota over error (The number of the assigned pages set by department and user management has reached 0.): The numbers of output pages have exceeded those specified with both of the department code and the user code at the same time.	P. 8-258
4112	Quota over error (The number of the assigned pages set by user management has reached 0.): The number of output pages has exceeded the one specified with the user code.	P. 8-258
4113	Quota over error (The number of the assigned pages set by department management has reached 0.): The number of output pages has exceeded the one specified with the department code.	P. 8-258
4121	Job canceling due to external counter error	P. 8-258
4211	Printing data storing limitation error: Printing with its data being stored to the HDD temporarily (Proof print, Private print, Scheduled print, etc.) cannot be performed.	P. 8-259
4212	e-Filing storing limitation error: Printing with its data being stored to the HDD (print and e-Filing, print to e-Filing, etc.) cannot be performed.	P. 8-259
4213	File storing limitation error: The file storing function is set to "disabled".	P. 8-259
4214	Fax/Internet Fax transmission limitation error: Fax / Internet Fax transmission function or Network Fax/Internet Fax function is disabled.	P. 8-259
4221	Private-print-only error: Jobs other than Private print jobs cannot be performed.	P. 8-259
4231	Hardcopy security printing error: hardcopy security printing job is performed when the function is restricted.	P. 8-260
4311	Not being authorized to perform JOB	P. 8-260
4312	Not authorized to store a file	P. 8-260
4313	No privilege for e-Filing storage: No privilege to store e-Filing data is given. (e-Filing storage permission)	P. 8-260
4314	No privilege for Fax / Internet Fax transmission: No privilege to send Fax or Internet Fax jobs is given. (Fax / Internet Fax transmission permission)	P. 8-260
4321	No privilege for print settings: No privilege to print with the specified settings is given. (Print setting permission)	P. 8-260

Error code	Contents	Troubleshooting
4411	Image data creation failure: Data that you tried to print may be corrupted. <ul style="list-style-type: none"> • Network print: Data are corrupted or invalid. • Direct print: A file is corrupted or not in a supported format. 	P. 8-260
4412	Double-sign encoding error: A double-sign encoding error occurred because the PDF file is encrypted in a forbidden language or in a language not supported.	P. 8-261
4611	Font download failure (exceeding maximum number of registrations): A new font cannot be registered because the number of fonts registered in this equipment has reached the limit.	P. 8-261
4612	Font download failure (HDD full): A new font cannot be registered because there is not sufficient space in the font storage area of this equipment.	P. 8-261
4613	Font download failure (others): A new font cannot be registered due to other abnormality.	P. 8-261
4621	Font deletion failure: A font cannot be deleted because the specified font does not exist, the specified font is undeletable or any other abnormality occurred.	P. 8-261
4F10	Printing was not performed successfully due to other abnormalities.	P. 8-262

8.2.5 TopAccess related error/Communication error with external application

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
5010	-	Internal setting error: There is a print job, a proof print job, a private print job, a print job without a set department code, a scan job or a fax job remaining in this equipment.	P. 8-263
5012	TOSHIBA Remote monitoring system error	Authentication error: A temporary password downloaded from e-Bridge and entered in this equipment is not valid, or the permanent password set in the e-Bridge is not valid.	P. 8-263
5013	TOSHIBA Remote monitoring system error	e-Bridge communication error: Communication is attempted while the e-Bridge is enabled for some reason such as version upgrade.	P. 8-263
5014	TOSHIBA Remote monitoring system error	No SSL certificate: There is no SSL certificate or the certificate is not in a correct file format.	P. 8-263
5015	TOSHIBA Remote monitoring system error	Invalid SSL certificate: SSL certificate is not valid.	P. 8-264
5016	TOSHIBA Remote monitoring system error	Expired SSL certificate: SSL certificate is expired.	P. 8-264
5017	TOSHIBA Remote monitoring system error	Other SSL certificate related error: SSL certificate is invalid.	P. 8-264

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
5018	TOSHIBA Remote monitoring system error	Invalid DNS error: DNS address is invalid.	P. 8-265
5019	TOSHIBA Remote monitoring system error	Connection error: Settings for initial URL and proxy are incorrect.	P. 8-265
501A	TOSHIBA Remote monitoring system error	Proxy error: IP address or port for proxy setting is invalid.	P. 8-265
501B	TOSHIBA Remote monitoring system error	No URL (host/port) or invalid path: Initial URL is invalid.	P. 8-265
5030	TOSHIBA Remote monitoring system error	An error in the HTTP communication	P. 8-266
50FF	TOSHIBA Remote monitoring system error	A fatal error occurred in the MFP	P. 8-266
5110	Toner Not Recognized - Please Check Toner.	Toner cartridge detection error	P. 8-266
5410	TOSHIBA Global remote monitoring system error	MFP registration error	P. 8-266
5411	TOSHIBA Global remote monitoring system error	MFP registration lock error	P. 8-266
5412	TOSHIBA Global remote monitoring system error	Server busy error	P. 8-267
5413	TOSHIBA Global remote monitoring system error	Server error	P. 8-267
5414	TOSHIBA Global remote monitoring system error	Invalid device file error	P. 8-267
5415	TOSHIBA Global remote monitoring system error	Communication error	P. 8-267
5416	TOSHIBA Global remote monitoring system error	Setting files / system software update error	P. 8-267
5417	TOSHIBA Global remote monitoring system error	System software error	P. 8-268
5BD0	Power failure occurred during restore	Power supply is cut off during the restoration of database sent from TopAccess	P. 8-268
5C10	FAX Unit is not attached.	Network FAX is disabled because the FAX Unit is not attached	P. 8-268
5C11	Security error on Address Book.	The network FAX job failed because the specified address is not registered in the Address Book	P. 8-269
5C20	The file has been imported	Displayed when data have been imported from TopAccess (Not an error message)	P. 8-269
5C21	Failed to import the file - Invalid file format	Data import from TopAccess failed due to invalid file format	P. 8-269
5C22	Failed to import the file - Internal error	Data import from TopAccess failed due to an internal error, the cause of which is unknown	P. 8-269

8.2.6 MFP access error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
6007	Failed user login	Unsuccessful User Login to MFP: User authentication cannot be done because connection to the authentication server has failed.	P. 8-271
6008	Failed to connect on External LDAP server for Role Base Access Control	Failed to connect on External Role Base Access Control (LDAP) Server: User authentication cannot be done because connection to an external RBAC server has failed.	P. 8-271
6013	Failed to connect on the authentication server	Connection failure to the authentication server: Failed to connect to the authentication server	P. 8-271
6014	Detected the authentication server that cannot be connected	Detected the authentication server that cannot be connected: The authentication server that cannot be accessed is detected.	P. 8-271
6032	Illegal period.	Card related error: Expired card: The card cannot be used because it has expired.	P. 8-272
6033	No entering record.	Card related error: Invalid flag data (no room-entry data): The card cannot be used because no room-entry data are recorded in it.	P. 8-272
6034	Illegal entering record.	Card related error: Invalid flag data (invalid card data): The card cannot be used because the data required for the use of the card are not correctly set.	P. 8-272
6041	Card Authentication Failed because of Card Reading Error	Card authentication: Card related error: Card data cannot be obtained correctly.	P. 8-272
6042	Card Authentication Failed because of Setting Error	Card authentication: Card setting error: The self-diagnostic code required for card authentication is not set in this equipment correctly.	P. 8-272
6121	SecureErase fails	Automatic Secure Erase failure	P. 8-273
6131	MFP fail to verify clock with Time Server	Failed to synchronize with the time server	P. 8-273

8.2.7 Maintenance error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
7101	Failed to update Copier Firmware	System firmware installation failure	P. 8-274

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
7103	Failed to update Copier Engine Firmware	Engine firmware installation failure	P. 8-274
7105	Failed to update Copier Scanner Firmware	Scanner firmware installation failure	P. 8-274
7109	Failed to update Printer Driver	Printer driver upload failure	P. 8-274
710B	Failed to update Point And Print	Point and Print data upload failure	P. 8-274
710F	Failed to install Language Pack	Failed to install Language Pack Language Pack installation failure	P. 8-275
7111	Failed to install Patch	Patch installation failure	P. 8-274
7113	Failed to install Plugin	Plug-in installation failure	P. 8-274
7115	Failed to update HDD Data	HDD data installation failure	P. 8-274
7117	Failed to update Reversing Automatic Document Feeder ROM	DF firmware installation failure	P. 8-274
7119	Failed to update PFC ROM	PFC firmware installation failure	P. 8-274
711D	Failed to remove License Key	License key returning failure	P. 8-275
711F	Failed to install License Key	License key installation failure	P. 8-275
71A4	Failed in consistency confirmation of cryptographic key	Cryptographic key consistency confirmation failure	P. 8-275
71AA	Invalid Error Occurd while getting Certificate from SCEP server	Invalid Error Occurd while getting Certificate from SCEP server	P. 8-275
71AB	Timeout Error Occurd while getting Certificate from SCEP server	Timeout Error Occurd while getting Certificate from SCEP server	P. 8-276
71AC	File Save Error Occurd while getting Certificate from SCEP server	File Save Error Occurd while getting Certificate from SCEP server	P. 8-276
71B0	Failed to decrypt Software Package	Software package file decryption failure	P. 8-276

8.2.8 Network error

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
8000	Static IPv4 duplicated address detected	IPv4 address overlaps.	P. 8-276
8011	Link Local address of IPv6 was duplicated.	Linklocal Address Conflict	P. 8-277
8012	Manual address of IPv6 was duplicated.	Manual IPv6 Address Conflict	P. 8-277
8013	Stateless address of IPv6 was duplicated.	Stateless Address Conflict	P. 8-277
8014	Stateful address of IPv6 was duplicated.	Stateful Address Conflict	P. 8-277
8022	Authentication Failure	Failed in 802.1X authentication.	P. 8-277
8023	Can not contact Authentication Server/Switch	Failed in connection to authentication server and switch.	P. 8-277
8024	Certificate verification Failure	Failed in verification of certificate.	P. 8-278

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
8031	No IKE proposal chosen	Ipsec error for ikev1 certification failed	P. 8-278
8032	IKE Certificate Authentication failed	Ipsec error for wrong proposal choosen	P. 8-278
8033	IKE Pre-shared key Authentication failed	Ipsec error if auth for shared key failed	P. 8-278
8034	Invalid Certificate	Ipsec error if invalid certificate uploaded	P. 8-278
8035	Certificate Type unsupported	Ipsec error if certificate not supported	P. 8-279
8036	Invalid certificate authority	Ipsec error if invalid certificate authentication	P. 8-279
8037	Certificate unavailable	Ipsec error if certificate are not avialable	P. 8-279
8038	No ISAKMP SA established	Ipsec error for SA is not present	P. 8-279
8039	Invalid Signature	Ipsec error for invalid signaturer for certificate	P. 8-279
803A	No IKEv2 proposal chosen	Ipsec error is proposal choosen is wrong	P. 8-280
803B	IKEv2 Certificate Authentication failed	Ipsec error for ikev2 certification failed	P. 8-280
803C	IKEv2 Secret key Authentication failed	Ipsec error for ikev2 if secret key auth failed	P. 8-280
803D	Falling Back to IKEv1	Ipsec error if peer dosent support IKEv2 and falling back to IKEv1	P. 8-280
803E	ISAKMP SA unusable (deleted)	Ipsec error if ISAKMP SA is not created of destroyed due to some uncertain condition	P. 8-281
803F	Crypto operation failed	Ipsec error for ikev2 if crypto operation failed	P. 8-281
8040	Invalid key information	Ipsec error for ikev2 if key info is invalid	P. 8-281
8041	CA not trusted	Ipsec error for ikev2 if CA is not trusted	P. 8-281
8042	Authentication Method mismatch	Ipsec error if auth method is not matching	P. 8-281
8043	IKE Version mismatch	Ipsec error if ike version is not matching	P. 8-282
8044	Encapsulation mode mismatch	Ipsec error for encaptulation is not matching	P. 8-282
8045	Peer IP Address mismatch	Ipsec error for peer ip mismatch	P. 8-282
8046	Local IP Address mismatch	Ipsec error for local ip mismatch	P. 8-282
8047	Local ID mismatch	Ipsec error for local id mismatch	P. 8-282
8048	Remote ID mismatch	Ipsec error for remote id mismatch	P. 8-282
8049	IPsec Remote IP mismatch	Ipsec error for remote ip mismatch	P. 8-283
804A	IKEv1/IKEv2 Timed out	Ipsec error for ike timeout	P. 8-283
804B	Invalid manual key data	Ipsec error id manual key is not valid	P. 8-283

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
8061	Secure Update to Primary IPv4 DDNS failed.	Secure primary DDNS update error	P. 8-284
8062	Secure Update to Secondary IPv4 DDNS failed	Secure secondary DDNS update error	P. 8-284
8063	Secure Update to Primary IPv6 DDNS failed.	Secure primary DDNS update error	P. 8-284
8064	Secure Update to Secondary IPv6 DDNS failed	Secure secondary DDNS update error	P. 8-284
8065	IPv6 Update to Primary DDNS failed.	IPv6 primary DDNS update error	P. 8-284
8066	IPv6 Update to Secondary DDNS failed.	IPv6 secondary DDNS update error	P. 8-284
8067	IPv4 Update to Primary DDNS failed.	IPv4 primary DDNS update error	P. 8-284
8068	IPv4 Update to Secondary DDNS failed.	IPv4 secondary DDNS update error	P. 8-284
8069	Invalid TSIG/SIG(0) Key file uploaded	This message is displayed when the key file for SIG(0) or TSIG is invalid.	P. 8-284
8101	Wireless association with Access point failure	Wireless association with Access point failure	P. 8-284
8102	Unable to contact Access point	MFP not able to contact the Access point with the specified SSID	P. 8-284
8103	Certificate verification Failure	Wireless Certificate verification failure	P. 8-285
8111	SNMP set request failure	An error occurred during SNMP data writing.	P. 8-285
8112	SNMP communication failure	SNMP communication failed.	P. 8-285
8121	Domain - General Failure during Authentication	Domain Authentication Error - General Failure during Authentication	P. 8-285
8122	Domain - Invalid Username or Password	Domain Authentication Error - Invalid Username or Password	P. 8-285
8123	Domain - Server not present in Network	Domain Authentication Error - Server not present in Network	P. 8-286
8124	Domain - User account is disabled on Server	Domain Authentication Error - User account is disabled on Server	P. 8-286
8125	Domain - User account has expired and cannot be used for logon	Domain Authentication Error - User account has expired and cannot be used for logon	P. 8-286
8126	Domain - User account is locked and cannot be used for logon	Domain Authentication Error - User account is locked and cannot be used for logon	P. 8-286
8127	Domain - Invalid logon hours for the User	Domain Authentication Error - Invalid logon hours for the User	P. 8-286
8128	Active Directory Domain - Clock Skew error due to difference in Time between Server and MFP	Active Directory Domain Authentication Error - Clock Skew error due to difference in Time between Server and MFP	P. 8-287

Error code	Message displayed in the TopAccess screen	Contents	Troubleshooting
8129	Active Directory Domain - Kerberos Ticket has expired and cannot be used for Authentication	Active Directory Domain Authentication Error - Kerberos Ticket has expired and cannot be used for Authentication	P. 8-287
812A	Active Directory Domain - Verification of the Ticket has failed	Active Directory Domain Authentication Error - Verification of the Ticket has failed	P. 8-287
812B	Active Directory Domain - The Domain specified could not be found	Active Directory Domain Authentication Error - The Domain specified could not be found	P. 8-287

8.2.9 Notification

Remarks:

Elision character of the “Error code display media”

Panel: Operation panel

JLog: JobLog (TopAccess Print Log - Scan Log)

ML: Message Log (TopAccess Message Log)

Noti: Notification

CSV: CSV output (List print)

Y: Yes

2nd: An error status has been detected twice (= error code has been determined)

Error code	Classification	Message	Contents	Error code display media					Troubleshooting
				Panel	JL	ML	Noti	CSV	
A08B	Information	-	Insufficient disk space for the 1st saving of the image data	-	-	-	-	Y	-
A15D		-	Memory Full	-	-	-	-	Y	-
A240		-	Paper empty during scanning	-	-	-	-	Y	-
A248		-	Scanner cover open	-	-	-	-	Y	-
A249		-	RADF jam	-	-	-	-	Y	-
A24C		-	Detach Key Counter	-	-	-	-	Y	-
A24D		-	Service call occurs in scanner device	-	-	-	-	Y	-
A24E		-	Service call occurs in RADF	-	-	-	-	Y	-
A24F		-	Unknown error	-	-	-	-	Y	-
A250		-	Error due to the use of an invalid original	-	-	-	-	Y	-
A251		-	There is no drawer for the size detected by APS.	-	-	-	-	Y	-
A252		-	Different orientation of an original	-	-	-	-	Y	-

Error code	Classification	Message	Contents	Error code display media					Troubles hooting
				Panl	JL	ML	Noti	CSV	
A253	Information	-	No upcoming originals	-	-	-	-	Y	-
A254		-	An original is not set on the RADF.	-	-	-	-	Y	-
A256		-	Exceeding the maximum number of sheets for an original of 1 job	-	-	-	-	Y	-
A257		-	Software inside error	-	-	-	-	Y	-
A258		-	There is no drawer for the size with the different orientation set from that for an original.	-	-	-	-	Y	-
A259		-	Fatal error of the software	-	-	-	-	Y	-
A260		-	Detection of the finisher non-supported original size	-	-	-	-	Y	-
A266		-	Non-standard original size This will occur only when APS or AMS is set.	-	-	-	-	Y	-
A275		-	Paper is fed from the drawer set for Cover or Insert.	-	-	-	-	Y	-
A277		-	Detection of the punching non-supported original size	-	-	-	-	Y	-
A280		-	Non-standard paper size	-	-	-	-	Y	-
A28E		-	All pages are detected as blank.	-	-	-	-	Y	-
A28F		-	A duplication inhibition original, to which hardcopy security has been applied, is detected.	-	-	-	-	Y	-
A2B0		-	Job cancelation by means of an external counter	-	-	-	-	Y	-
D101			Paper Empty - Large Capacity Feeder (LCF)	Paper presence/absence in the LCF	-	-	-	Y	Y
D102			Paper presence/absence in the SFB	-	-	-	Y	Y	-
D103		Paper Empty in Drawer 1 - Please Add Paper.	Paper presence/absence in the CST1	-	-	Y	Y	Y	-

Error code	Classification	Message	Contents	Error code display media					Troubles hooting
				Panl	JL	ML	Noti	CSV	
D104	Information	Paper Empty in Drawer 2 - Please Add Paper.	Paper presence/absence in the CST2	-	-	-	Y	Y	-
D105		Paper Empty in Drawer 3 - Please Add Paper.	Paper presence/absence in the CST3	-	-	-	Y	Y	-
D106		Paper Empty in Drawer 4 - Please Add Paper.	Paper presence/absence in the CST4	-	-	-	Y	Y	-
D107		Open and close Large Capacity Feeder (LCF).	Paper Empty - Large Capacity Feeder (Option-LCF)	-	-	-	Y	Y	-
D201		Close front cover	Front cover open	-	-	Y	Y	Y	-
D205		Lower Side Cover Open - Please Close Cover.	Paper feed cover open	-	-	Y	Y	Y	-
D206		Automatic Duplexing Unit Cover Open - Please Close Cover.	ADU cover / unit open	-	-	Y	Y	Y	-
D207		Relay Unit Cover Open - Please Close Cover.	Bridge unit transport cover open	-	-	Y	Y	Y	-
D209		Finisher Joint Cover Open - Please Close Cover.	Finisher joint (when a hanging finisher is taken off)	-	-	Y	Y	Y	-
D20A		Finisher Door Open - Please Close Door.	Finisher door open	-	-	Y	Y	Y	-
D20E		Lower Tray Delivery Cover Open - Please Close Cover	Saddle stitch stapler connection	-	-	Y	Y	Y	-
D20F		Punch Unit Front Cover Open - Please Close Cover.	Front cover of the punch unit open	-	-	Y	Y	Y	-
D217		Finisher Door Open - Please Close Door.	Finisher door open	-	-	Y	Y	Y	-
D218		Waste Cover Open - Please Close Cover.	Waste cover open	-	-	Y	Y	Y	-
D219	Right Cover Open - Please Close Cover.	Waste cover open	-	-	Y	Y	Y	-	
D21A	Switchback Cover Open - Please Close Cover.	Switchback cover Open	-	-	Y	Y	Y	-	
D21B	Option LCF Cover Open - Please Close Cover.	Option LCF cover open	-	-	Y	Y	Y	-	

Error code	Classification	Message	Contents	Error code display media					Troubleshooting
				Panl	JL	ML	Noti	CSV	
D21C	Information	Please Join finisher to the copier.	Finisher joint lever open	-	-	Y	Y	Y	-
D301		Black Toner Empty - Please Replace.	Black toner empty	-	-	Y	Y	Y	-
D302		Cyan Toner Empty - Please Replace.	Cyan toner empty	-	-	Y	Y	Y	-
D303		Magenta Toner Empty. Please Replace.	Magenta toner empty	-	-	Y	Y	Y	-
D304		Yellow Toner Empty. Please Replace.	Yellow toner empty	-	-	Y	Y	Y	-
D30F		Used Toner Container Full - Please Replace.	Used toner container full	-	-	Y	Y	Y	-
D311		-	Non-genuine toner-K	-	-	-	Y	Y	-
D312		-	Non-genuine toner-C	-	-	-	Y	Y	-
D313		-	Non-genuine toner-M	-	-	-	Y	Y	-
D314		-	Non-genuine toner-Y	-	-	-	Y	Y	-
D321		-	K Toner near empty	-	-	-	Y	Y	-
D322		-	C Toner near empty	-	-	-	Y	Y	-
D323		-	M Toner near empty	-	-	-	Y	Y	-
D324		-	Y Toner near empty	-	-	-	Y	Y	-
D32E		-	Waste toner box nearly full	-	-	-	Y	Y	-
D32F		-	2nd transfer waste toner is nearly full.	-	-	-	Y	Y	-
D341		Black Toner Empty - Please Refill.	Cartridge-K empty	-	-	Y	Y	Y	-
D342		Cyan Toner Empty - Please Refill.	Cartridge-C empty	-	-	Y	Y	Y	-
D343		Magenta Toner Empty - Please Refill.	Cartridge-M empty	-	-	Y	Y	Y	-
D344		Yellow Toner Empty - Please Refill.	Cartridge-Y empty	-	-	Y	Y	Y	-
D351		Time for Developer(K) Maintenance. Please Contact Service Technician.	Developer material-K replacing period	-	-	Y	Y	Y	-

Error code	Classification	Message	Contents	Error code display media					Troubles hooting
				Panl	JL	ML	Noti	CSV	
D352	Information	Time for Developer(C) Maintenance. Please Contact Service Technician.	Developer material-C replacing period	-	-	Y	Y	Y	-
D353		Time for Developer(M) Maintenance. Please Contact Service Technician.	Developer material-M replacing period	-	-	Y	Y	Y	-
D354		Time for Developer(Y) Maintenance. Please Contact Service Technician.	Developer material-Y replacing period	-	-	Y	Y	Y	-
D401		Close Drawer 1	1st drawer open	-	-	Y	Y	Y	-
D402		Close Drawer 2	2nd drawer open	-	-	Y	Y	Y	-
D403		Close Drawer 3	3rd drawer open	-	-	Y	Y	Y	-
D404		Close Drawer 4	4th drawer open	-	-	Y	Y	Y	-
D405		Close large capacity feeder (LCF)	Paper supply door of the tandem LCF is opened.	-	-	Y	Y	Y	-
D406		Close large capacity feeder (LCF)	Paper supply door of the option LCF is opened.	-	-	Y	Y	Y	-
D407		Close large capacity feeder (LCF)	Paper supply door of the tandem LCF is opened.	-	-	Y	Y	Y	-
D712		Add/Remove Drawer 3	3rd drawer installation/removal	-	-	Y	Y	Y	-
D713		Add/Remove Drawer 4	4th drawer installation/removal	-	-	Y	Y	Y	-
D719		Add/Remove External Large Capacity Feeder	Option-LCF installation/removal	-	-	Y	Y	Y	-
D730		Add/Remove Finisher	Finisher installation/removal	-	-	Y	Y	Y	-
D731		Add/Remove Saddle Finisher	Saddle stitch unit installation/removal	-	-	Y	Y	Y	-
D732		Add/Remove Hole Punch Unit	Hole punch unit installation/removal	-	-	Y	Y	Y	-
D7B0		Add/Remove Fax Unit(Line1)	Fax (line1) installation/removal	-	-	Y	Y	Y	-
D7B1		Add/Remove Fax Unit(Line2)	Fax (line2) installation/removal	-	-	Y	Y	Y	-
D7E0		Add/Remove Coin Controller	Coin controller installation/removal	-	-	Y	Y	Y	-
D7E1		Add/Remove Key Copy Counter	Key counter installation/removal	-	-	Y	Y	Y	-
D800		The machine was shut down	Shutdown	-	-	Y	Y	Y	-
D801		Turned on the power	Power On	-	-	Y	Y	Y	-

Error code	Classification	Message	Contents	Error code display media					Troubleshooting
				Panl	JL	ML	Noti	CSV	
D802	Information	Gone into the energy save mode	Move Low Power	-	-	Y	Y	Y	-
D803		Gone into the sleep mode	Move Sleep	-	-	Y	-	Y	-
D804		The machine was rebooted	Execute reboot	-	-	Y	Y	Y	-

8.2.10 Error history

In the setting mode (08-9703), the latest twenty groups of error data will be displayed.

Display example

EA10	99999999	2013-04-14 17:57:32	064	064	2362_1000_0000_0 _xxxxxxxxxx
Error code	Total counter	YYYY-MM-DD HH:MM:SS	MMM	NNN	ABCD_EFHI_JLOP_Q_R
4 digits	8 digits	14 digits	3 digits	3 digits	23 digits

A	Paper source
	0: Not selected 1: Bypass feed 2: LCF 3: 1st drawer 4: 2nd drawer 5: 3rd drawer 6: 4th drawer 7: Optional LCF 8: Unused
B	Paper size code
	0: A5/ST 1: A5-R 2: ST-R 3: LT 4: A4 5: B5-R 6: LT-R 7: A4-R 8: OTHER/UNIV 9: B5 A: FOLIO/COMP B: LG C: B4 D: LD E: A3 F: 13"LG G: Unused H: A6-R I: Post card J: 8.5"SQK: A3-wide L: LD-wide M: 8K N: 16K-R O: 16K P, Q, R, S, T: Unused U: SRA3 (320x450)V: SRA3 (320 x 460) Z: Not selected
C	Sort mode/staple mode
	0: Non-sort/Non-staple 1: Group 2: Sort 7: Front staple 8: Double staple 9: Rear staple A: Saddle stitch B: Center fold
D	ADF mode
	0: Unused 1: AUTO FEED (SADF) 2: STACK FEED
E	APS/AMS mode
	0: Not selected 1: APS 2: AMS
F	Duplex mode
	0: Not selected 1: Book 2: Double-sided/Single-sided 4: Double-sided/Duplex copying 8: Single-sided/Duplex copying
G	Unused
H	Image shift
	0: Unused 1: Book 2: Left 3: Right 4: Top 5: Bottom 6: Book+Top 7: Book+Bottom 8: Left+Top 9: Left+Bottom A: Right+Top B: Right+Bottom
I	Editing
	0: Unused 1: Masking 2: Trimming 3: Mirror image 4: Unused 5: NEG/POS
J	Edge erase/Dual-page
	0: Unused 1: Edge erase 2: Dual-page 3: Edge erase and Dual-page
K	Unused
L	Function
	0: Unused 1: Copying 2: FAX/Internet FAX transmission 3: FAX/Internet FAX/E-mail reception printing 4: Unused 5: Printing/List print 6: Scan/E-mail transmission
MMM	Primary scanning reproduction ratio (Display in hexadecimal)
	(Mx256)+(Mx16)+M
NNN	Secondary scanning reproduction ratio (Display in hexadecimal)
	(Nx256)+(Nx16)+N
O	Color mode
	0: Auto color 1: Full color 2: Black 3: Unused 4: Twin color copy 5: Gray scale 6: Unused 7: Image smoothing

P	Media type
	0: Plain paper 1: Thick 1 2: Thick 2 3: Thick 3 4: Thick 4 5: Special paper 1 6: Special paper 2 7: Recycled paper 8: Plain paper 1 9: Plain paper 2 A: Thin paper B: OHP film C: Thick 1/ reverse D: Thick 2/ reverse E: Thick 3/ reverse F: Thick 4/ reverse G: Special paper 1/ reverse H: Special paper 2/ reverse I: Envelope J: Tab paper Z: Unused
Q	RADF size mixed
	0: Unused 1: Size mixed 2: Single-size document
R	Workflow ID: 10-digit ID

8.3 Diagnosis and Prescription for Each Error Code

8.3.1 Check item

Check item	Contents
Sensor check	<ul style="list-style-type: none"> • Check the sensor in the test mode. • Check that there is no dust on the sensor. • Check that the actuator is correctly operated.
Connector check	<ul style="list-style-type: none"> • Check that the connector is not disconnected. • Check that the pins are not deformed and do not come off. • Disconnect and reconnect the connector.
Harness check	<ul style="list-style-type: none"> • Check if the harnesses are open circuited.
Motor check	<ul style="list-style-type: none"> • Check the motor in the test mode. • Check that there is no abnormality in the driving section. • Check that there is no abnormality in the roller.
Board check	<ul style="list-style-type: none"> • Check if the board is short circuited or open circuited.

8.3.2 Paper transport jam (paper exit section)

[E590] Stop jam at the upper paper exit sensor

Classification	Error item
Paper transport jam	Jam not reaching the bridge unit.

Check item	Measures
Upper paper exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[7]/[A], 03-[ALL]OFF/[1]/[E]) • Connector check • Harness check
Exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-142) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN515,CN516) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539, CN540) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check

Replace parts	Remarks
Upper paper exit sensor	
Exit motor	
PFC board	
DRV board	
LGC board	

[E5A0] Jam not reaching the upper paper exit sensor

Classification	Error item
Paper transport jam	Stop jam at the upper paper exit sensor.

Check item	Measures
Upper paper exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[7]/[A], 03-[ALL]OFF/[1]/[E]) • Connector check • Harness check
Bridge unit transport exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-136) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN515,CN516) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539, CN540) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check

Replace parts	Remarks
Upper paper exit sensor	
exit motor	
PFC board	
DRV board	
LGC board	

[E970] Jam not reaching the lower paper exit sensor

Classification	Error item
Paper transport jam (Relay transport section)	Paper transported from the bridge unit does not reach the lower paper exit sensor.

Check item	Measures
Lower paper exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[5]/[G], 03-[ALL]OFF/[4]/[C]) • Connector check • Harness check
Bridge unit transport exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-136) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN515, CN516) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539, CN540) • Board check

Check item	Measures
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check

Replace parts	Remarks
Lower paper exit sensor	
Bridge unit transport exit motor	
PFC board	
DRV board	
LGC board	
Exit roller	

[E980] Stop jam at the lower paper exit sensor

Classification	Error item
Paper transport jam (Relay transport section)	Paper transported from the bridge unit does not pass the lower paper exit sensor.

Check item	Measures
Lower paper exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[5]/[G], 03-[ALL]OFF/[4]/[C]) • Connector check • Harness check
Exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-140) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN515, CN516) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539, CN540) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check

Replace parts	Remarks
Lower paper exit sensor	
exit motor	
PFC board	
DRV board	
LGC board	
Exit roller	

8.3.3 Paper misfeeding

[E110] ADU misfeeding (paper not reaching the registration sensor)

Classification	Error item
Paper misfeeding	The paper which has passed through ADU does not reach the registration sensor during duplex printing.

Check item	Measures
Registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[B], 03-[COPY]ON/[5]/[H]) • Connector check • Harness check
ADU motor2	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-144) • Connector check (CN491, CN495) • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN515) • Harness check • Board check

Replace parts	Remarks
Registration sensor	
ADU motor2	
ADU board	
PFC board	
LGC board	
ADU roller	

[E120] Bypass misfeeding (paper not reaching the bypass feed sensor)

Classification	Error item
Paper misfeeding	Paper fed from the bypass tray does not reach the bypass feed sensor.

Check item	Measures
Bypass feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[A]) • Connector check • Harness check
Bypass motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-126) • Connector check • Harness check

Check item	Measures
Bypass pick-up solenoid	<ul style="list-style-type: none"> • Solenoid check (Perform the output check: 03-1254) • Connector check • Harness check
ADU board	<ul style="list-style-type: none"> • Connector check (CN490, CN496, CN498) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN509) • Harness check • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Bypass feed sensor	
Bypass motor	
Bypass pick-up solenoid	
ADU board	
PFC board	
ADU roller	
Rollers	

[E130] 1st drawer misfeeding (paper not reaching the 1st drawer feed sensor)

Classification	Error item
Paper misfeeding	The paper fed from the 1st drawer does not reach the 1st drawer feed sensor.

Check item	Measures
1st drawer feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[H]) • Connector check • Harness check
Feed motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-120) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN512, CN513) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
1st drawer feed sensor	
Feed motor	
PFC roller	
Rollers	

[E140] 2nd drawer misfeeding (paper not reaching the 2nd drawer feed sensor)

Classification	Error item
Paper misfeeding	The paper fed from the 2nd drawer does not reach the 2nd drawer feed sensor.

Check item	Measures
2nd drawer feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[G]) • Connector check • Harness check
Feed motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-121) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN512, CN513) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
2nd drawer feed sensor	
Feed motor	
PFC roller	
Rollers	

[E150] 3rd drawer misfeeding (paper not reaching the 3rd drawer feed sensor)

Classification	Error item
Paper misfeeding	The paper fed from the 3rd drawer does not reach the 3rd drawer feed sensor.

Check item	Measures
3rd drawer feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[F]) • Connector check • Harness check
Feed/transfer motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-122) • Connector check • Harness check
3rd drawer feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-250) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN505) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
3rd drawer feed sensor	
Feed/transfer motor	
PFC roller	
Rollers	
3rd drawer feed clutch	

[E160] 4th drawer misfeeding (paper not reaching the 34th drawer feed sensor)

Classification	Error item
Paper misfeeding	The paper fed from the 4th drawer does not reach the 4th drawer feed sensor.

Check item	Measures
4th drawer feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[E]) • Connector check • Harness check
Feed/transfer motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-122) • Connector check • Harness check
4th drawer feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-251) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN506) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
4th drawer feed sensor	
Feed/transfer motor	
PFC roller	
Rollers	
4th drawer feed clutch	

[E180] Option LCF misfeeding (Paper not reaching the LCF feed sensor)

Classification	Error item
Paper misfeeding	Paper fed from the LCF does not reach the LCF feed sensor.

Check item	Measures
Option LCF feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[5]/[E]) • Connector check • Harness check

Check item	Measures
LCF transport motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-127) • Connector check • Harness check
LCF transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-268) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN503) • Board check
LCF board	<ul style="list-style-type: none"> • Connector check (J850, J854) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
LCF feed sensor	
LCF transport motor	
PFC board	
LCF board	
Rollers	
LCF transport clutch	

[E190] LCF misfeeding (paper not reaching the LCF feed sensor)

Classification	Error item
Paper misfeeding	The paper fed from the LCF does not reach the LCF feed sensor.

Check item	Measures
LCF feed sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[F]) • Connector check • Harness check
LCF feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-250) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN505) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
LCF feed sensor	
LCF feed clutch	
PFC board	
Rollers	

8.3.4 Paper transport jam

[E010] Jam not reaching the fuser transport sensor

Classification	Error item
Paper transport jam	The paper which has passed through the fuser unit does not reach the fuser transport sensor.

Check item	Measures
ADU board	<ul style="list-style-type: none"> Connector check (CN491, CN497) Board check
Fuser transport sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[ALL]OFF/[2]/[C], 03-[COPY]ON/[5]/[F]) Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN309) Harness check Board check
Fuser unit	<ul style="list-style-type: none"> Check the gap between the separation plate and the fuser belt. (Refer to "6.7.4 Gap adjustment for separation plate".) Paper transport check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check
Leading edge margin	<p>Adjust the margin with 05-4402 (Leading edge position adjustment) to "Color: 5.5 mm". (Specification Black: 4.2 mm / Color: 5 mm)</p> <ul style="list-style-type: none"> Use A3/LD paper Black solid image on 10 mm of the leading edge <p>Refer to "6.1.1 Image Related Adjustment".</p>
2nd transfer bias offset	<p>Change the 2nd transfer bias offset value as shown below and then check if there are still jams. Change the default value 5 of each code below to 6 or 7.</p> <p>Color: 05-2934 Subcode: 0, 7 Color: 05-2935 Subcode: 0, 7 Black: 05-2936 Subcode: 0, 7 Black: 05-2937 Subcode: 0, 7</p>
Change of the 2nd transfer bias	<p>If the leading edge of paper clings to the 2nd transfer roller and causes paper jamming, change the 2nd transfer roller bias correction factor of the leading/trailing edge of the paper. (The larger the value, the smaller the transfer voltage of the leading/trailing edge of the paper.)</p> <p>Codes to be changed (Initial value of the transfer bias of the leading/trailing edge of the paper: 0)</p> <ul style="list-style-type: none"> Color mode print (top side): 05-2938-* Color mode print (back side): 05-2939-* Black mode print (top side): 05-2940-* Black mode print (back side): 05-2941-* <p>Sub codes:* -> Plain paper: 0, Recycled paper: 7</p> <p>Notes: After these codes are changed, perform solid duplex-printing and check that there is no faint or void image on the leading/trailing edge of the paper.</p>

Check item	Measures
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN511) • Harness check • Board check

Replace parts	Remarks
Fuser transport sensor	
LGC board	
ADU board	
PFC board	
Fuser unit	

[E020] Stop jam at the fuser transport sensor

Classification	Error item
Paper transport jam	The trailing edge of the paper does not pass the fuser transport sensor after its leading edge has reached this sensor.

Check item	Measures
Fuser transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[2]/[C], 03-[COPY]ON/[5]/[F]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check
ADU board	<ul style="list-style-type: none"> • Connector check (CN491, CN497) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN511) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Fuser transport sensor	
LGC board	
ADU board	
PFC board	
Rollers	

[E200] 1st drawer transport jam (not reaching the registration sensor)

[E210] 2nd drawer transport jam (not reaching the registration sensor)

[E270] Bypass transport jam (not reaching the registration sensor)

[E300] 3rd drawer transport jam (not reaching the registration sensor)

[E330] 4th drawer transport jam (not reaching the registration sensor)

[E3C0] LCF transport jam (not reaching the registration sensor)

Classification	Error item
Paper transport jam	The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.(E200) The paper does not reach the registration sensor after it has passed the 1st drawer feed sensor.(E210) Paper fed from the bypass tray and passed through the bypass feed sensor does not reach the registration sensor.(E270)

Check item	Measures
Registration sensor	<ul style="list-style-type: none">• Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[B],03-[COPY]ON/[5]/[F])• Connector check• Harness check
Transport motor-1	<ul style="list-style-type: none">• Motor check (Perform the output check: 03-124/524)• Connector check• Harness check
PFC board	<ul style="list-style-type: none">• Connector check (CN500, CN512, CN520)• Board check
LGC board	<ul style="list-style-type: none">• Connector check (CN309)• Board check
Drive unit, Rollers	<ul style="list-style-type: none">• Gear check• Roller check

Replace parts	Remarks
Registration sensor	
Transport motor-1	
PFC board	
LGC board	
Rollers	

[E220] 2nd drawer transport jam (not reaching the 1st drawer transport sensor)

[E310] 3rd drawer transport jam (not reaching the 1st drawer transport sensor)

[E340] 4th drawer transport jam (not reaching the 1st drawer transport sensor)

[E3D0] LCF transport jam (not reaching the 1st drawer transport sensor)

Classification	Error item
Paper transport jam	The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.(E220) The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.(E310) The paper does not reach the 1st drawer transport sensor after it has passed the 2nd drawer feed sensor.(E340) Paper fed from the LCF and passed through the 2nd drawer feed sensor does not reach the 1st drawer transport sensor.(E3D0)

Check item	Measures
1st drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[D]) • Connector check • Harness check
Transport motor-2	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-125/525) • Connector check • Harness check
Transport motor-1	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-124/524) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN512, CN513) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
1st drawer transport sensor	
Transport motor-2	
Transport motor-1	
PFC board	
Rollers	

[E230] 1st drawer misfeeding (Paper not reaching the 1st drawer transport sensor)

Classification	Error item
Paper transport jam	Paper fed from the 1st drawer does not reach the 1st drawer transport sensor.

Check item	Measures
1st drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[D]) • Connector check • Harness check

Check item	Measures
Transport motor-1	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-124/524) • Connector check • Harness check
Feed motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-120/520) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN512, CN513) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
1st drawer transport sensor	
Transport motor-1	
Feed motor	
PFC board	
Rollers	

[E240] 2nd drawer transport jam (Paper not reaching the 2nd drawer transport sensor)

Classification	Error item
Paper transport jam	Paper fed from the 2nd drawer does not reach the 2nd drawer transport sensor.

Check item	Measures
2nd drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[C]) • Connector check • Harness check
Transport motor-2	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-125/525) • Connector check • Harness check
Feed motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-121/521) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN512, CN513) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
2nd drawer transport sensor	
Transport motor-2	
Feed motor	
PFC board	
Rollers	

[E260] Option LCF transport jam (Paper not reaching the registration sensor)

Classification	Error item
Paper transport jam	Paper fed from the option LCF does not reach the registration sensor.

Check item	Measures
Registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[2]/[C], 03-[COPY]ON/[5]/[H]) • Connector check • Harness check
Transport motor-1	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-124/524) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN512, CN520) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Registration sensor	
Transport motor-1	
PFC board	
LGC board	
Rollers	

[E290] Option LCF transport jam

Classification	Error item
Paper transport jam	Paper fed from the Option LCF does not reach the 1st drawer transport sensor.

Check item	Measures
1st drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[D]) • Connector check • Harness check
Transport motor-1	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-124/524) • Connector check • Harness check
LCF transport motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-127) • Connector check • Harness check

Check item	Measures
LCF transport clutch	<ul style="list-style-type: none"> Clutch check (Perform the output check: 03-269) Connector check Harness check
PFC board	<ul style="list-style-type: none"> Connector check (CN512, CN513) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check

Replace parts	Remarks
1st drawer transport sensor	
Transport motor-1	
LCF transport motor	
LCF transport clutch	
PFC board	
Rollers	

[E320] 3rd drawer transport jam (not reaching the 2nd drawer transport sensor)

[E350] 4th drawer transport jam (not reaching the 2nd drawer transport sensor)

[E3E0] LCF transport jam (not reaching the 2nd drawer transport sensor)

Classification	Error item
Paper transport jam	<p>The paper does not reach the 2nd drawer transport sensor after it has passed the 3rd drawer feed sensor.(E320)</p> <p>The paper does not reach the 2nd drawer transport sensor after it has passed the 4th drawer feed sensor.(E350)</p> <p>Paper fed from the LCF and passed through the LCF feed sensor does not reach the 2nd drawer transport sensor.(E3E0)</p>

Check item	Measures
2nd drawer transport sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[C]) Connector check Harness check
Feed motor	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-122/172) Connector check Harness check
PFC board	<ul style="list-style-type: none"> Connector check (CN502, CN513) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check
3rd drawer transport clutch	<ul style="list-style-type: none"> Clutch check (Perform the output check: 03-252) Connector check Harness check

Replace parts	Remarks
3rd drawer transport clutch	

Replace parts	Remarks
2nd drawer transport sensor	
Feed motor	
PFC board	
Rollers	

[E360] 4th drawer transport jam (not reaching the 3rd drawer transport sensor)

Classification	Error item
Paper transport jam	The paper does not reach the 3rd drawer transport sensor after it has passed the 4th drawer feed sensor.

Check item	Measures
3rd drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[B]) • Connector check • Harness check
3rd drawer transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-252) • Connector check • Harness check
4th drawer transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-253) • Connector check • Harness check
Feed motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-122/172) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN505) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
4rd drawer transport clutch	
3rd drawer transport sensor	
3rd drawer transport clutch	
Feed motor	
PFC board	
Rollers	

[E370] 3rd drawer transport jam (Paper not reaching the 3rd drawer transport sensor)

Classification	Error item
Paper transport jam	Paper fed from the 3rd drawer does not reach the 3rd drawer transport sensor.

Check item	Measures
3rd drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[B]) • Connector check • Harness check
3rd drawer transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-252) • Connector check • Harness check
3rd drawer feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-250) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN505) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
3rd drawer transport sensor	
3rd drawer transport clutch	
3rd drawer feed clutch	
PFC board	
Rollers	

[E380] 4th drawer transport jam (Paper not reaching the 4th drawer transport sensor)

Classification	Error item
Paper transport jam	Paper fed from the 4th drawer does not reach the 4th drawer transport sensor.

Check item	Measures
4th drawer transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[A]) • Connector check • Harness check
4th drawer transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-253) • Connector check • Harness check
4th drawer feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-251) • Connector check • Harness check
Feed/transport motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-122) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN502, CN506) • Board check

Check item	Measures
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
4th drawer transport sensor	
4th drawer transport clutch	
4th drawer feed clutch	
Feed/transport motor	
PFC board	
Rollers	

[E3F0] Tandem LCF transport jam (Paper not reaching the tandem LCF transport sensor)

Classification	Error item
Paper transport jam	Paper fed from the Tandem LCF does not reach the tandem LCF transport sensor.

Check item	Measures
Tandem LCF transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[B]) • Connector check • Harness check
Tandem LCF transport clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-252) • Connector check • Harness check
Tandem LCF feed clutch	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-250) • Connector check • Harness check
Feed/transport motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-122) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN505, CN516) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Tandem LCF transport sensor	
Tandem LCF transport clutch	
Tandem LCF feed clutch	
Feed/transport motor	
PFC board	
Rollers	

[E510] ADU transport stop jam

Classification	Error item
Paper transport jam (ADU section)	The paper does not reach the reverse path sensor after it is switchbacked in the reverse section.

Check item	Measures
Duplexing unit path entrance sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[H]) • Connector check • Harness check
Reverse motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-132/134) • Connector check • Harness check
ADU motor-2	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-144) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN511, CN515) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Duplexing unit path entrance sensor	
Reverse motor	
ADU motor-2	
PFC board	
ADU board	
DRV board	
Rollers	

[E511] ADU transport jam (Paper not reaching the duplexing unit path entrance sensor)

Classification	Error item
Paper transport jam (ADU section)	

Check item	Measures
Duplexing unit path entrance sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[H]) • Connector check (CN491, CN497) • Harness check
Reverse motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-132/134) • Connector check (CN537, CN539) • Harness check

Check item	Measures
ADU motor-1	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-146) Connector check (CN491, CN495) Harness check
PFC board	<ul style="list-style-type: none"> Connector check (CN511, CN515) Board check
ADU board	<ul style="list-style-type: none"> Connector check (CN537, CN539) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check

Replace parts	Remarks
Duplexing unit path entrance sensor	
Reverse motor	
ADU motor-1	
PFC board	
ADU board	
Rollers	

[E540] ADU transport jam (Paper not reaching the duplexing unit path exit sensor)

Classification	Error item
Paper transport jam (ADU section)	Paper does not reach the duplexing unit path exit sensor after it has passed the duplexing unit path entrance sensor.

Check item	Measures
Duplexing unit path exit sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[G]) Connector check Harness check
ADU motor-1	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-146) Connector check Harness check
ADU motor-2	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-144) Connector check Harness check
PFC board	<ul style="list-style-type: none"> Connector check (CN511, CN515) Board check
ADU board	<ul style="list-style-type: none"> Connector check (CN491, CN492) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check

Replace parts	Remarks
Duplexing unit path exit sensor	
ADU motor-1	
ADU motor-2	
PFC board	

Replace parts	Remarks
ADU board	
Rollers	

[E570] Jam not reaching the bridge unit

Classification	Error item
Paper transport jam	

Check item	Measures
Reverse path sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[F]) • Connector check • Harness check
Transport entrance motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-130) • Connector check • Harness check
Fuser motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-129) • Connector check • Harness check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN538, CN539) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN514, CN515) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Reverse path sensor	
Transport entrance motor	
Fuser motor	
DFV board	
PFC board	
Rollers	

[E580] Stop jam at the bridge unit

Classification	Error item
Paper transport jam	

Check item	Measures
Reverse sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[F]) • Connector check • Harness check
Reverse motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-132/134) • Connector check • Harness check

Check item	Measures
Bridge unit transport exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-136) • Connector check • Harness check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN538, CN539) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN514, CN515) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Reverse sensor	
Reverse motor	
Bridge unit transport exit motor	
DFV board	
PFC board	
Rollers	

[E2B0] Stop jam at the registration sensor (1st drawer)

[E2B1] Stop jam at the registration sensor (2nd drawer)

[E2B2] Stop jam at the registration sensor (3rd drawer)

[E2B3] Stop jam at the registration sensor (4th drawer)

[E2B4] Stop jam at the registration sensor (Bypass tray drawer)

[E2B5] Stop jam at the registration sensor (LCF)

[E2B6] Stop jam at the registration sensor (ADU)

[E2B7] Stop jam at the registration sensor (Option LCF)

Classification	Error item
Paper transport jam	

Check item	Measures
Registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[B]) • Connector check • Harness check
Registration motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-128/528) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN514, CN515) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Registration sensor	
Registration motor	
PFC board	

Replace parts	Remarks
Rollers	

[EB50] Paper remaining on the transport path due to multiple feeding

Classification	Error item
Paper transport jam	The multiple feeding of preceding paper caused the misfeeding of upcoming paper.

Check item	Measures
1st drawer feed sensor (When the paper is fed from the 1st drawer:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[H]) • Connector check • Harness check
Bypass feed sensor (When the paper is fed from the bypass feed unit:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[A]) • Connector check • Harness check
ADU exit sensor (When the paper is fed from the ADU:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[3]/[G]) • Connector check • Harness check
Registration sensor (When the paper is fed from the ADU:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[B], 03-[COPY]ON/[5]/[H]) • Connector check • Harness check
1st drawer feed sensor (When the paper is fed from any of the 2nd drawer, PFP or LCF:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[H]) • Connector check • Harness check
2nd drawer feed sensor (When the paper is fed from any of the 2nd drawer, PFP or LCF:)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[G]) • Connector check • Harness check
ADU board	<ul style="list-style-type: none"> • Connector check (CN211, CN213) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN337, CN338, CN347, CN348) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
1st drawer feed sensor	
Bypass feed sensor	
ADU exit sensor	
Registration sensor	
1st drawer feed sensor	
2nd drawer feed sensor	
ADU board	
LGC board	
Rollers	

[EB60] Paper remaining on the transport path due to multiple feeding

Classification	Error item
Paper transport jam	

Check item	Measures
Registration sensor	<ul style="list-style-type: none">• Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[B], 03-[COPY]ON/[5]/[H])• Connector check• Harness check
PFC board	<ul style="list-style-type: none">• Connector check (CN516)• Board check
Drive unit, Rollers	<ul style="list-style-type: none">• Gear check• Roller check

Replace parts	Remarks
Registration sensor	
PFC board	
Rollers	

8.3.5 Other paper jam

[E011] Paper jam caused by clinging to the transfer belt (Paper not reached the paper clinging detection sensor)

Classification	Error item
Paper transport jam	The paper after the 2nd transfer is clinging to the transfer belt, or a paper jam occurred between the registration roller and the paper clinging detection sensor.

Check item	Measures
Paper clinging detection sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[9]/[D]) • Connector check • Harness check
Registration motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-128/528) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN514, CN515) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN537, CN538, CN539) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check
Setting	If jams occur on the back side in duplex printing, change the media type mode to the recycled paper mode, and then check if there are still jams. (When this type of jam occurs on heavily curled paper during duplex printing, the jam may be resolved by selecting the recycled paper mode.)
2nd transfer bias offset	<p>Change the 2nd transfer bias offset value as shown below and then check if there are still jams. Change the default value 5 of each code below to 6 or 7.</p> <p>Color: 05-2934 Subcode: 0, 7 Color: 05-2935 Subcode: 0, 7 Black: 05-2936 Subcode: 0, 7 Black: 05-2937 Subcode: 0, 7</p>
Change of the 2nd transfer bias	<p>If the leading edge of paper clings to the 2nd transfer roller and causes paper jamming, change the 2nd transfer roller bias correction factor of the leading/trailing edge of the paper. (The larger the value, the smaller the transfer voltage of the leading/trailing edge of the paper.)</p> <p>Codes to be changed (Initial value of the transfer bias of the leading/trailing edge of the paper: 0)</p> <ul style="list-style-type: none"> • Color mode print (top side): 05-2938-* • Color mode print (back side): 05-2939-* • Black mode print (top side): 05-2940-* • Black mode print (back side): 05-2941-* <p>Sub codes:* -> Plain paper: 0, Recycled paper: 7</p> <p>Notes: After these codes are changed, perform solid duplex-printing and check that there is no faint or void image on the leading/trailing edge of the paper.</p>

Check item	Measures
Other	Check if there is any paper clinging to the transfer belt or entering under the receiving tray. Remove it if there is. Use the paper within the specification if the thin paper being used is out of specification.

Replace parts	Remarks
Paper clinging detection sensor	
Registration motor	
PFC board	
LGC board	
Rollers	

[E030] Power-ON jam

Classification	Error item
Other paper jam	The paper is remaining on the paper transport path when power is turned ON.

Check item	Measures
Transport path	Open the cover, and then remove paper if there is any paper on the transport path.
Sensor	Sensor check (Refer to the table below)
	Connector check
	Harness check
PFC board	Connector check (CN500, CN505, CN506, CN509, CN511, CN512, CN513, CN515)
	Harness check
	Board check

Replace parts	Remarks
Sensor in the jamming area	Refer to the table below
PFC board	
ADU board	

Jamming area	Cover	Sensor	Test Mode/Input check
Paper path section	Duplexing unit	Registration sensor	03-[ALL]OFF/[4]/[B] 03-[COPY]ON/[5]/[H]
		Transfer belt paper clinging detection sensor	03-[ALL]OFF/[9]/[C]
		2nd transfer side paper clinging detection sensor	03-[ALL]OFF/[9]/[D]
		1st drawer transport sensor	03-[SCAN]ON/[1]/[D]
Fuser	Duplexing unit	Fuser transport sensor	03-[ALL]OFF/[2]/[C] 03-[COPY]ON/[5]/[F]
		Reverse path sensor	03-[ALL]OFF/[1]/[C] 03-[SCAN]ON/[3]/[E]

Jamming area	Cover	Sensor	Test Mode/Input check
ADU	Duplexing unit Cover	Duplexing unit path exit sensor	03-[SCAN]ON/[3]/[G]
		Duplexing unit path entrance sensor	03-[SCAN]ON/[3]/[H]
Bypass unit	Duplexing unit	Bypass feed sensor	03-[SCAN]ON/[3]/[A]
Feeding area (equipment)	Paper feed cover	4th drawer transport sensor	03-[SCAN]ON/[1]/[A]
		3rd drawer/tandem LCF transport sensor	03-[SCAN]ON/[1]/[B]
		2nd drawer transport sensor	03-[SCAN]ON/[1]/[C]
LCF	LCF side cover	Option LCF feed sensor	03-[SCAN]ON/[5]/[E]
Bridge unit	Front cover	Bridge unit path exit sensor	03-[ALL]OFF/[1]/[A] 03-[SCAN]ON/[3]/[C]
		Bridge unit path entrance sensor	03-[ALL]OFF/[1]/[B] 03-[SCAN]ON/[3]/[D]
		Reverse sensor	03-[SCAN]ON/[3]/[F]
		Reverse section stationary jam detection sensor	03-[SCAN]ON/[4]/[A]
Upper exit section	-	Upper paper exit sensor	03-[ALL]OFF/[1]/[E] 03-[COPY]ON/[7]/[A]
Lower exit section	-	Lower paper exit sensor	03-[ALL]OFF/[4]/[C] 03-[COPY]ON/[5]/[G]
Reverse section	Reverse path cover	Reverse section paper transport detection sensor	03-[COPY]ON/[8]/[F]
Finisher	Finisher door	Sensors in the finisher	-

[E061] Incorrect paper size setting for 1st drawer

[E062] Incorrect paper size setting for 2nd drawer

[E063] Incorrect paper size setting for 3rd drawer

[E064] Incorrect paper size setting for 4th drawer

[E065] Incorrect paper size setting for bypass tray

Classification	Error item
Other paper jam	<p>The size of paper in the 1st drawer differs from size setting of the equipment.(E061)</p> <p>The size of paper in the 2nd drawer differs from size setting of the equipment.(E062)</p> <p>The size of paper in the 3rd drawer differs from size setting of the equipment.(E063)</p> <p>The size of paper in the 4th drawer differs from size setting of the equipment.(E064)</p> <p>The size of paper in the bypass tray differs from size setting of the equipment.(E065)</p>

Check item	Measures
Setting	<p>If any paper remains in the equipment or drawer, remove it. Match the paper size of the drawer setting and the one in the drawer.</p> <p>Paper size detection is performed at the first sheet of paper when the drawer is opened or closed, or when the power of the equipment is turned ON.</p>

- [E071] 1st drawer media type mis-setting jam
- [E072] 2nd drawer media type mis-setting jam
- [E073] 3rd drawer media type mis-setting jam
- [E074] 4th drawer media type mis-setting jam
- [E075] Option LCF media type mis-setting jam
- [E076] Tandem LCF media type mis-setting jam

Classification	Error item
Paper transport jam	The media type setting of the 1st drawer is incorrect. (E071) The media type setting of the 2nd drawer is incorrect.(E072) The media type setting of the 3rd drawer is incorrect.(E073) The media type setting of the 4th drawer is incorrect.(E074) The media type setting of the option LCF is incorrect.(E075) The media type setting of the tandem LCF is incorrect.(E076)

Check item	Measures
Outline	Remove any paper which has jammed due to media type mis-setting and then confirm and set the following
Setting	When this jam occurred during fax data printing, the user must place paper of the same media type as that of the set paper. If the user does not have this media type, the media type setting must be changed by means of the following codes. 08-9300: 1st drawer media type setting (*1) 08-9301: 2nd drawer media type setting (*1) 08-9302: 3rd drawer media type setting (*1) 08-9303: 4th drawer media type setting (*1) 08-9304: Tandem LCF media type setting (*1) 08-9347: Option LCF media type setting (*1) (*1) 0: Plain paper, 1: Thick paper 1, 2: Thick paper 2, 3: Thick paper 3, 8: Recycled paper, 9: Plain paper 1, 10: Plain paper 2
Cases media type setting change (08 code) is required	When a drawer is set for fax data printing but the user does not have the media type set for the fax drawer When no drawer is set for fax data printing but the user does not have any media type set for each drawer If the media type is correctly set but this error occurs frequently, this media type may be the one which cannot be distinguished easily. In this case change the code below to disable the media type setting checking function. 08-4598 0: Enabled 1: Disabled

[E090] Image data delay jam

Classification	Error item
Other paper jam	Image data to be printed cannot be prepared.

Check item	Measures
Other	<ul style="list-style-type: none"> • Remove the paper remained in front of the registration sensor. • If the error still occurs, check the following.
Power	<ul style="list-style-type: none"> • Check if the error is cleared by turning the power OFF and then back ON.

Check item	Measures
SYS board	<ul style="list-style-type: none"> Connector check (SYS board -IMG board) (CN135) Page memory check Board check
IMG board	<ul style="list-style-type: none"> Connector check (IMG board -SLG board) (IMG board - LGC board) (CN422, CN423, CN424) Harness check Board check
LGC board	<ul style="list-style-type: none"> Connector check (CN319, CN320) Harness check Board check
HDD	<ul style="list-style-type: none"> Connector check HDD check
Page memory	Check if the page memory is correctly connected to the connector on the SYS board.

Replace parts	Remarks
SYS board	
IMG board	
LGC board	
HDD	
Page memory	

[E091] Motor on time-out jam

Classification	Error item
Other paper jam	The equipment does not operate normally because abnormality occurred on an interface between the SYS board and engine firmware.

Check item	Measures
Other	<ul style="list-style-type: none"> Check if there is any paper in the equipment. Remove it if there is. If the error still occurs, check the following.
Power	Check if the error is cleared by turning the power OFF and then back ON.
SYS board	<ul style="list-style-type: none"> Connector check (SYS board -IMG board) (CN135) Board check
IMG board	<ul style="list-style-type: none"> Connector check (IMG board -SLG board) (IMG board - LGC board) (CN422, CN423, CN424) Harness check Board check
LGC board	<ul style="list-style-type: none"> Connector check (CN319, CN320) Harness check Board check
HDD	<ul style="list-style-type: none"> Connector check HDD check

Replace parts	Remarks
SYS board	
IMG board	

Replace parts	Remarks
LGC board	
HDD	

[E0A0] Image transport ready time-out jam

Classification	Error item
Other paper jam	Image data to be printed cannot be sent.

Check item	Measures
Other	<ul style="list-style-type: none"> Remove the paper remained in front of the registration sensor. If the error still occurs, check the following.
Power	Check if the error is cleared by turning the power OFF and then back ON.
SYS board	<ul style="list-style-type: none"> Connector check (SYS board -IMG board) (CN135) Board check
IMG board	<ul style="list-style-type: none"> Connector check (IMG board -SLG board) (IMG board - LGC board) (CN422, CN423, CN424) Harness check Board check
LGC board	<ul style="list-style-type: none"> Connector check (CN319, CN320) Harness check Board check
HDD	<ul style="list-style-type: none"> Connector check HDD check

Replace parts	Remarks
SYS board	
IMG board	
LGC board	
HDD	

[E550] Paper remaining on the transport path

Classification	Error item
Other paper jam	The paper is remaining on the transport path when printing is finished (caused by a multiple paper feeding).

Step	Check Item	Result	Measure	Next Step
1	Jamming transport path		Open the cover of the unit/area whose picture is flashing on the control panel and remove any paper on the transport path.	
2	Feed or transport roller possibly causing multiple feeding		Check the feed roller.	
3	Sensor in the jamming area		<ul style="list-style-type: none"> Sensor check (Refer to the table below) Harness check Connector check 	

Step	Check Item	Result	Measure	Next Step
4	PFC board		<ul style="list-style-type: none"> • Harness check • Connector check • Board check 	
	Notes: If the jam is occurring in the ADU or LCF, check the board in each unit.			

Replace parts	Remarks
Feed or transport roller possibly causing multiple feeding	
Sensor in the jamming area	Refer to the table below
PFC board	

Relation between the jamming area and the corresponding sensors/covers.

Jamming area	Cover	Sensor	Test Mode/Input check
Paper path section	Duplexing unit	Registration sensor	03-[ALL]OFF/[4]/[B] 03-[COPY]ON/[5]/[H]
		Transfer belt paper clinging detection sensor	03-[ALL]OFF/[9]/[C]
		2nd transfer side paper clinging detection sensor	03-[ALL]OFF/[9]/[D]
		1st drawer transport sensor	03-[SCAN]ON/[1]/[D]
Fuser	Duplexing unit	Fuser transport sensor	03-[ALL]OFF/[2]/[C] 03-[COPY]ON/[5]/[F]
		Reverse path sensor	03-[ALL]OFF/[1]/[C] 03-[SCAN]ON/[3]/[E]
ADU	Duplexing unit	Duplexing unit path exit sensor	03-[SCAN]ON/[3]/[G]
	Cover	Duplexing unit path entrance sensor	03-[SCAN]ON/[3]/[H]
Bypass unit	Duplexing unit	Bypass feed sensor	03-[SCAN]ON/[3]/[A]
Feeding area (equipment)	Paper feed cover	4th drawer transport sensor	03-[SCAN]ON/[1]/[A]
		3rd drawer/tandem LCF transport sensor	03-[SCAN]ON/[1]/[B]
		2nd drawer transport sensor	03-[SCAN]ON/[1]/[C]
LCF	LCF side cover	Option LCF feed sensor	03-[SCAN]ON/[5]/[E]
Bridge unit	Front cover	Bridge unit path exit sensor	03-[ALL]OFF/[1]/[A] 03-[SCAN]ON/[3]/[C]
		Bridge unit path entrance sensor	03-[ALL]OFF/[1]/[B] 03-[SCAN]ON/[3]/[D]
		Reverse sensor	03-[SCAN]ON/[3]/[F]
		Reverse section stationary jam detection sensor	03-[SCAN]ON/[4]/[A]
Upper exit section	-	Upper paper exit sensor	03-[ALL]OFF/[1]/[E] 03-[COPY]ON/[7]/[A]
Lower exit section	-	Lower paper exit sensor	03-[ALL]OFF/[4]/[C] 03-[COPY]ON/[5]/[G]
Reverse section	Reverse path cover	Reverse section paper transport detection sensor	03-[COPY]ON/[8]/[F]
Finisher	Finisher door	Sensors in the finisher	-

[E551] Paper remaining on the transport path (when a service call occurs)

[E552] Paper remaining on the transport path (when the cover is closed)

Classification	Error item
Other paper jam	The paper is detected on the transport path when a service call occurs. (E551) The paper is detected on the transport path after the cover is opened and closed. (E552)

Step	Check Item	Result	Measure	Next Step
1	Jamming transport path		Open the cover of the unit/area whose picture is flashing on the control panel and remove any paper on the transport path.	
2	Sensor in the jamming area		<ul style="list-style-type: none"> • Sensor check (Refer to the table below) • Harness check • Connector check 	
3	PFC board		<ul style="list-style-type: none"> • Harness check • Connector check • Board check 	
	Notes: If the jam is occurring in the ADU or LCF, check the board in each unit.			

Replace parts	Remarks
Sensor in the jamming area	Refer to the table below
PFC board	

Relation between the jamming area and the corresponding sensors/covers.

Jamming area	Cover	Sensor	Test Mode/Input check
Paper path section	Duplexing unit	Registration sensor	03-[ALL]OFF/[4]/[B] 03-[COPY]ON/[5]/[H]
		Transfer belt paper clinging detection sensor	03-[ALL]OFF/[9]/[C]
		2nd transfer side paper clinging detection sensor	03-[ALL]OFF/[9]/[D]
		1st drawer transport sensor	03-[SCAN]ON/[1]/[D]
Fuser	Duplexing unit	Fuser transport sensor	03-[ALL]OFF/[2]/[C] 03-[COPY]ON/[5]/[F]
		Reverse path sensor	03-[ALL]OFF/[1]/[C] 03-[SCAN]ON/[3]/[E]
ADU	Duplexing unit Cover	Duplexing unit path exit sensor	03-[SCAN]ON/[3]/[G]
		Duplexing unit path entrance sensor	03-[SCAN]ON/[3]/[H]
Bypass unit	Duplexing unit	Bypass feed sensor	03-[SCAN]ON/[3]/[A]
Feeding area (equipment)	Paper feed cover	4th drawer transport sensor	03-[SCAN]ON/[1]/[A]
		3rd drawer/tandem LCF transport sensor	03-[SCAN]ON/[1]/[B]
		2nd drawer transport sensor	03-[SCAN]ON/[1]/[C]
LCF	LCF side cover	Option LCF feed sensor	03-[SCAN]ON/[5]/[E]

Jamming area	Cover	Sensor	Test Mode/Input check
Bridge unit	Front cover	Bridge unit path exit sensor	03-[ALL]OFF/[1]/[A] 03-[SCAN]ON/[3]/[C]
		Bridge unit path entrance sensor	03-[ALL]OFF/[1]/[B] 03-[SCAN]ON/[3]/[D]
		Reverse sensor	03-[SCAN]ON/[3]/[F]
		Reverse section stationary jam detection sensor	03-[SCAN]ON/[4]/[A]
Upper exit section	-	Upper paper exit sensor	03-[ALL]OFF/[1]/[E] 03-[COPY]ON/[7]/[A]
Lower exit section	-	Lower paper exit sensor	03-[ALL]OFF/[4]/[C] 03-[COPY]ON/[5]/[G]
Reverse section	Reverse path cover	Reverse section paper transport detection sensor	03-[COPY]ON/[8]/[F]
Finisher	Finisher door	Sensors in the finisher	-

8.3.6 Cover open jam

[E400] Duplexing unit open

Classification	Error item
Cover open jam	The duplexing unit has opened during printing.

Check item	Measures
Duplexing unit	<ul style="list-style-type: none"> Close the duplexing unit if it is opened. Remove if there is any paper before closing it
24V power	<ul style="list-style-type: none"> 24V check (Perform the input check: 03-[COPY] ON/[6]/[A]) Connector check Harness check
Fuse	<ul style="list-style-type: none"> Fuse check (F201, F202, F203, F204) Board check
LGC board	<ul style="list-style-type: none"> Connector check (CN312) Board check
Interlock switch	<ul style="list-style-type: none"> Switch check (Perform the input check: 03-[SCAN] ON/[4]/[G]) Connector check Harness check

Replace parts	Remarks
Fuse	
LGC board	
Switching regulator	
Interlock switch	

[E430] ADU open jam

Classification	Error item
Cover open jam	The ADU has opened during printing.

Check item	Measures
ADU	<ul style="list-style-type: none"> Close the ADU if it is opened. Remove if there is any paper before closing it
ADU opening/closing switch	<ul style="list-style-type: none"> Switch check (Perform the input check: 03-[SCAN]ON/[4]/[F]) Connector check Harness check
ADU board	<ul style="list-style-type: none"> Connector check (CN211, CN217) Board check
LGC board	<ul style="list-style-type: none"> Connector check (CN338) Board check

Replace parts	Remarks
ADU opening/closing switch	
ADU board	
LGC board	

[E440] Paper feed cover open jam

Classification	Error item
Cover open jam	The paper feed cover has opened during printing.

Check item	Measures
Paper feed cover	<ul style="list-style-type: none">• Close the paper feed cover if it is opened.• Remove if there is any paper before closing it.
Side door switch	<ul style="list-style-type: none">• Switch check (Perform the input check: 03-[COPY]ON/[8]/[H])• Connector check• Harness check
LGC board	<ul style="list-style-type: none">• Connector check (CN348)• Board check

Replace parts	Remarks
ADU opening/closing switch	
LGC board	

[E450] Option LCF open jam

Classification	Error item
Cover open jam	The optional LCF has been disconnected from the equipment during printing.

Check item	Measures
Option LCF	<ul style="list-style-type: none">• Connect the LCF in the equipment.
Option LCF installation sensor	<ul style="list-style-type: none">• Switch check (Perform the input check: 03-[SCAN]ON/[5]/[C])• Connector check• Harness check
LCF board	<ul style="list-style-type: none">• Connector check• Board check
LGC board	<ul style="list-style-type: none">• Connector check (CN349)• Board check

Replace parts	Remarks
LCF side cover opening/closing switch	
LCF board	
LGC board	

[E480] Bridge unit open jam

Classification	Error item
Cover open jam	The bridge unit has opened during printing.

Check item	Measures
Bridge unit	<ul style="list-style-type: none">• Close the bridge unit if it is opened.• Remove if there is any paper before closing it.

Check item	Measures
Bridge unit cover opening/closing detection switch	<ul style="list-style-type: none"> • Switch check (Perform the input check: 03-[COPY]ON/[7]/[B], 03-[COPY]ON/[8]/[E]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN334) • Board check

Replace parts	Remarks
Bridge unit cover opening/closing detection switch	
LGC board	

[E4A0] Waste toner cover open jam (printing)

Classification	Error item
Cover open jam	The waste toner cover has opened during printing.

Check item	Measures
Waste toner cover	<ul style="list-style-type: none"> • Close the waste toner cover if it is opened. • Remove if there is any paper before closing it.
Waste toner detection sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAXON]/[1]/[C]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN331) • Board check

Replace parts	Remarks
Waste toner detection sensor	
LGC board	

[E4B0] Reverse path cover open jam (printing)

Classification	Error item
Cover open jam	The reverse path cover has opened during printing.

Check item	Measures
Reverse path cover	<ul style="list-style-type: none"> • Close the bridge unit if it is opened. • Remove if there is any paper before closing it.
Reverse path cover switch	<ul style="list-style-type: none"> • Switch check (Perform the input check: 03-[COPYON]/[8]/[A]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN331) • Board check

Replace parts	Remarks
Bridge unit connecting detection switch	
LGC board	

8.3.7 RADF jam

[E712] Jam not reaching the original registration sensor

Classification	Error item
RADF jam	The original fed from the original feeding tray does not reach the original registration sensor.

Check item	Measures
Original registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAX]ON/[7]/[H]) • Connector check • Harness check
Original pickup solenoid	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74,CN79) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original registration sensor	
Original pickup solenoid	
RADF board	Perform the 05-3210
Roller	Pickup roller, feed roller, separation roller

[E714] Feed signal reception jam

Classification	Error item
RADF jam	The feed signal is received even no original exists on the original feeding tray.

Check item	Measures
Original empty sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAX]ON/[7]/[B]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original empty sensor	
RADF board	Perform the 05-3210
Roller	Pickup roller, feed roller, separation roller

[E721] Jam not reaching the original reading start sensor

[E725] Stop jam at the reading start sensor

[E774] Reading start sensor paper remaining jam

Classification	Error item
RADF jam	The original does not reach the reading start sensor after it has passed the registration sensor (when scanning obverse side) or the reverse sensor (when scanning reverse side).

Check item	Measures
Registration roller Read roller	<ul style="list-style-type: none"> • Cleaning
Original reading start sensor	<ul style="list-style-type: none"> • Automatic adjustment (Perform the 05-3210) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original reading start sensor	
RADF board	Perform the 05-3210
Roller	Registration roller, Read roller

[E722] Jam not reaching the original exit sensor

Classification	Error item
RADF jam	The original which passed the read sensor does not reach the original exit/reverse sensor when it is transported from the scanning section to exit section.

Check item	Measures
Read roller	<ul style="list-style-type: none"> • Cleaning
Original exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAX]ON/[7]/[E]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original exit sensor	
RADF board	Perform the 05-3210
Roller	Read roller

[E724] Stop jam at the original registration sensor

Classification	Error item
RADF jam	The trailing edge of the original does not pass the original registration sensor after its leading edge has reached this sensor.

Check item	Measures
Registration roller	<ul style="list-style-type: none"> • Cleaning
Original registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAX]ON/[7]/[H]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original registration sensor	
RADF board	Perform the 05-3210
Roller	Registration roller



[E726] Transport/exit signal reception jam during ADF standby status

Classification	Error item
RADF jam	

Check item	Measures
RADF	<ul style="list-style-type: none"> • Check if there is any paper in the RADF. Remove it if there is.
Equipment	<ul style="list-style-type: none"> • Check if there is any paper in the equipment. Remove it if there is. • If a jam still occurs, turn the power OFF and then back ON to check if the equipment operates normally.

[E727] Jam not reaching the original reading end sensor

Classification	Error item
RADF jam	

Check item	Measures
RADF	<ul style="list-style-type: none"> Check the RADF position adjustment.  P. 6-112"6.12.1 RADF position adjustment"
RADF	<ul style="list-style-type: none"> Check the Adjustment of the Reversing Automatic Document Feeder (RADF).  P. 6-112"6.12 Reversing Automatic Document Feeder (RADF)"
Read end roller	<ul style="list-style-type: none"> Cleaning
Original reading end sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[FAX]ON/[5]/[D]) Connector check Harness check
RADF board	<ul style="list-style-type: none"> Connector check (CN75) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check

Replace parts	Remarks
Original reading end sensor	
RADF board	Perform the 05-3210
Roller	Read end roller

[E729] Stop jam at the original reading end sensor

Classification	Error item
RADF jam	

Check item	Measures
Read end roller	<ul style="list-style-type: none"> Cleaning
Original reading end sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[FAX]ON/[5]/[D]) Connector check Harness check
RADF board	<ul style="list-style-type: none"> Connector check (CN75) Board check
Drive unit, Rollers	<ul style="list-style-type: none"> Gear check Roller check

Replace parts	Remarks
Original reading end sensor	
RADF board	Perform the 05-3210
Roller	Read end roller

[E731] Stop jam at the original exit sensor

Classification	Error item
RADF jam	The trailing edge of the original does not pass the original exit/reverse sensor after its leading edge has reached this sensor.

Check item	Measures
Exit roller	<ul style="list-style-type: none"> • Cleaning
Original exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[FAX]ON/[7]/[E]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original exit sensor	
RADF board	Perform the 05-3210
Roller	Exit roller

[E744] Stop jam at the original exit/reverse sensor

Classification	Error item
RADF jam	The trailing edge of the original does not pass the original exit/reverse sensor after its leading edge has reached this sensor.

Check item	Measures
Intermediate transport roller	<ul style="list-style-type: none"> • Cleaning
Original exit/reverse sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[5]/[B]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original exit/reverse sensor	
RADF board	Perform the 05-3210
Roller	Intermediate transport roller

[E745] Jam not reaching the original exit reverse sensor

Classification	Error item
RADF jam	

Check item	Measures
Intermediate transport roller	<ul style="list-style-type: none"> • Cleaning

Check item	Measures
Original exit/reverse sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[5]/[B]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original exit reverse sensor	
RADF board	Perform the 05-3210
Roller	Intermediate transport roller

[E746] Original exit reverse sensor paper remaining jam

[E762] Registration sensor paper remaining jam

[E770] Original width detection sensor-1 paper remaining jam

[E771] Original width detection sensor-2 paper remaining jam

[E772] Original width detection sensor-3 paper remaining jam

[E773] Intermediate transport sensor paper remaining jam

[E775] Reading end sensor paper remaining jam

[E777] Exit sensor paper remaining jam

Classification	Error item
RADF jam	.

Check item	Measures
RADF	<ul style="list-style-type: none"> • Check if there is any paper on each sensor. Remove it if there is.
Original exit reverse sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[5]/[B]) • Connector check • Harness check
Registration sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[8]/[F]) • Connector check • Harness check
Original width detection sensor-1	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[F]) • Connector check • Harness check
Original width detection sensor-2	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[8]/[H]) • Connector check • Harness check
Original width detection sensor-3	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[5]/[D]) • Connector check • Harness check

Check item	Measures
Intermediate transport sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[8]/[G]) • Connector check • Harness check
Reading end sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[F]) • Connector check • Harness check
Exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[E]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74, CN75) • Board check
Drive unit, Rollers	<ul style="list-style-type: none"> • Gear check • Roller check

Replace parts	Remarks
Original exit reverse sensor	
Registration sensor	
Original width detection sensor-1	
Original width detection sensor-2	
Original width detection sensor-3	
Intermediate transport sensor	
Reading end sensor	
Exit sensor	
RADF board	Perform the 05-3210
Roller	

[E860] Original jam access cover open jam

Classification	Error item
RADF jam	The Original jam access cover has opened during RADF operation.

Check item	Measures
Original jam access cover	<ul style="list-style-type: none"> • Close the Original jam access cover if it is opened. • Remove if there is any original before closing it.
Original jam access cover opening/ closing sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[C]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74) • Board check

Replace parts	Remarks
Original exit reverse sensor	
RADF board	Perform the 05-3210

[E870] RADF open jam

Classification	Error item
RADF jam	RADF has opened during RADF operation.

Check item	Measures
RADF	<ul style="list-style-type: none"> • Close the RADF if it is opened. • Remove if there is any original before closing it.
RADF opening/closing sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[D]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74) • Board check

Replace parts	Remarks
RADF opening/closing sensor	
RADF board	Perform the 05-3210

[E871] Cover open jam in the read ready status

Classification	Error item
RADF jam	Jam caused by opening of the Original jam access cover or front cover while the RADF is waiting for the scanning start signal from the equipment.

Check item	Measures
RADF	<ul style="list-style-type: none"> • Close the RADF if it is opened. • Remove if there is any original before closing it.
Original jam access cover opening/closing sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03: [FAX]/ON/[7]/[C]) • Connector check • Harness check
RADF board	<ul style="list-style-type: none"> • Connector check (CN74) • Board check

Replace parts	Remarks
Original jam access cover opening/closing sensor	
RADF board	Perform the 05-3210

[E890] ADF time out jam

Classification	Error item
RADF jam	ADF time out jam

Check item	Measures
RADF	<ul style="list-style-type: none"> • Check if there is any paper in the RADF. Remove it if there is.

Check item	Measures
Equipment	<ul style="list-style-type: none"> • Check if there is any paper in the equipment. Remove it if there is. • If a jam still occurs, turn the power OFF and then back ON to check if the equipment operates normally.

8.3.8 Jam in bridge unit

[E910] Paper not reaching the bridge unit transport sensor-1

[E920] Paper stopping at the bridge unit transport sensor-1

Classification	Error item
Paper transport jam (Relay transport section)	<p>The paper does not reach the bridge unit path entrance sensor after it has passed the Fuser transport sensor.(E910)</p> <p>The trailing edge of the paper does not pass the bridge unit path entrance sensor after its leading edge has reached the sensor.(E920)</p>

Check item	Measures
Bridge unit	<ul style="list-style-type: none"> • Check if there is any paper in the bridge unit and remove it if there is
Bridge unit path entrance sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[1]/[B], 03-[SCAN]ON/[3]/[D]) • Connector check • Harness check
Transport path switching solenoid-1	<ul style="list-style-type: none"> • Solenoid check (Perform the output check: 03-275) • Connector check • Harness check
Bridge unit transport entrance motor Bridge unit transport exit motor	<ul style="list-style-type: none"> • Motor check (Perform the output check (Bridge unit transport entrance motor): 03-130/180) (Perform the output check (Bridge unit transport exit motor): 03-136) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN307) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539) • Harness check • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN515) • Harness check • Board check

Replace parts	Remarks
Bridge unit transport sensor-1	
Bridge unit transport entrance motor Bridge unit transport exit motor	
LGC board	
DRV board	

Replace parts	Remarks
PFC board	
Roller	Transport roller of the bridge unit

[E930] Paper not reaching the bridge unit transport sensor-2

[E940] Paper stopping at the bridge unit transport sensor-2

Classification	Error item
Paper transport jam (Relay transport section)	The trailing edge of the paper does not reach the Bridge unit path exit sensor after its leading edge has reached the bridge unit path entrance sensor.(E930) The trailing edge of the paper does not pass the Bridge unit path exit sensor after its leading edge has reached the Bridge unit path exit sensor.(E940)

Check item	Measures
Bridge unit	<ul style="list-style-type: none"> • Check if there is any paper in the bridge unit and remove it if there is
Bridge unit path exit sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[1]/[A], 03-[SCAN]ON/[3]/[C]) • Connector check • Harness check
Transport path switching solenoid-2	<ul style="list-style-type: none"> • Solenoid check (Perform the output check: 03-276) • Connector check • Harness check
Bridge unit transport exit motor: Normal rotation Bridge unit transport exit motor: Reverse rotation	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-140/190, 03-142/192) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN309) • Board check
DRV board	<ul style="list-style-type: none"> • Connector check (CN537, CN539) • Harness check • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN515) • Harness check • Board check

Replace parts	Remarks
Bridge unit transport sensor-2	
LGC board	
Roller	Transport roller of the bridge unit

8.3.9 Paper jam in finisher section

[EA10] Transport delay jam (paper not inserted)

Classification	Error item
Finisher jam (Finisher section)	

Check item	Measures
Finisher	Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Feeding sensor (S22)	Check if there is a disconnection of the connector, incorrect installation or breakage of the feeding sensor (S22). If there is, reinstall the sensor correctly or replace it.
Transport path switching solenoid (SOL5)	Check that the gap between the transfer guide surface and the upper surface of the flapper tip is in the acceptable range according to the status of the transport path switching solenoid (SOL5) (solenoid OFF: 1.5 to 2.1 mm, solenoid ON: 2.3 to 2.9 mm). If it is not, adjust it.
Entrance motor (M1)	Check the harness between the entrance motor (M1) and the finisher controller board (CN26). If there is any abnormality, correct it.
Interface PC board (I/F)	Check the harness between the transport path switching solenoid (SOL5) and the interface PC board (CN6), If there is any abnormality, correct it. <ul style="list-style-type: none"> • Board check • Connector check (CN5, CN6, CN7) • Harness check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> • Board check • Connector check (CN25, CN27) • Board check

Replace parts	Remarks
Feeding sensor (S22)	
Transport path switching solenoid (SOL5)	
Entrance motor (M1)	
Interface PC board (I/F)	
Finisher control PC board (FIN)	

[EA20] Paper transport jam in Finisher (entrance sensor)

Classification	Error item
Finisher jam (Finisher section)	

Check item	Measures
Finisher	Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Entrance sensor (S1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check

Check item	Measures
Finisher control PC board (FIN)	<ul style="list-style-type: none"> • Board check • Connector check (CN26) • Harness check

Replace parts	Remarks
Entrance sensor (S1)	
Finisher control PC board (FIN)	

[EA21] Paper size error jam

Classification	Error item
Finisher jam (Finisher section)	Paper does not reach the sensor because the paper is shorter than spec. [MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is. • Is the paper size used shorter than the size specified in the specifications?
Entrance sensor (S1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Transport sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check (CN7, CN22) • Board check

Replace parts	Remarks
Entrance sensor (S1)	
Transport sensor (S2)	
Finisher controller board	

[EA22] Short length paper jam in Finisher (paper position sensors S6-1/2)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is. • Use paper accepted in the specifications.
Paper position sensor (S6-1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Paper position sensor (S6-2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check

Check item	Measures
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Paper position sensor (S6-1)	
Paper position sensor (S6-2)	
Finisher controller board	

[EA23] Paper transport jam in Finisher (transport sensor)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Transport sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Transport sensor (S2)	
Finisher controller board	

[EA24] Paper transport jam in Finisher (entrance sensor - transport sensor)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Entrance sensor (S1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Transport sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Entrance motor (M1)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN6, CN26) • Board check

Replace parts	Remarks
Entrance sensor (S1)	
Transport sensor (S2)	
Entrance motor (M1)	
Finisher controller board	

[EA25] Paper transport jam in Finisher (after paper stack was exited)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Finishing tray paper detection sensor (S12)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN18) • Board check

Replace parts	Remarks
Finishing tray paper detection sensor (S12)	
Finisher controller board	

[EA26] Paper transport jam in Finisher (Stop signal received from equipment)

[EA27] Paper transport jam in Finisher (Paper not inserted but paper detected)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Entrance sensor (S1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN26) • Board check

Replace parts	Remarks
Entrance sensor (S1)	
Finisher controller board	

[EA28] Paper transport jam in Finisher (paper holding delay)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Paper holding cam	<ul style="list-style-type: none"> Is there any mechanical problem when the paper holding cam is rotated?
Assist arm motor (M10)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check(CN13) Board check

Replace parts	Remarks
Assist arm motor (M10)	
Finisher controller board	

[EA29] Paper transport jam in Finisher (paper stack transport delay)

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Buffer tray	<ul style="list-style-type: none"> Is there any mechanical problem when the buffer tray guide is opened and closed while the buffer roller is kept raised?
Buffer tray guide motor (M2)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check(CN11) Board check

Replace parts	Remarks
Buffer tray guide motor (M2)	
Finisher controller board	

[EA31] Transport path paper remaining jam

Classification	Error item
Finisher jam (Finisher section)	The paper which has passed through the inlet sensor does not reach the transport sensor. [MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Transport sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN11) • Board check

Replace parts	Remarks
Transport sensor (S2)	
Finisher controller board	

[EA32] Exit paper remaining jam

Classification	Error item
Finisher jam (Finisher section)	The paper is remaining on the finishing tray when the power is turned ON. [MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Finishing tray paper detection sensor (S12)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN11) • Board check

Replace parts	Remarks
Finishing tray paper detection sensor (S12)	
Finisher controller board	

[EA40] Door open jam

Classification	Error item
Finisher jam (Finisher section)	The front cover or stationary tray cover is opened during paper transport. [MJ-1103/1104]

Check item	Measures
Cover	<ul style="list-style-type: none"> • Close the front cover or the stationary tray cover if they are opened.
Front cover switch (SW1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Stationary tray opening/closing switch (SW2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check

Check item	Measures
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN16) • Board check

Replace parts	Remarks
Front cover switch (SW1)	
Stationary tray opening/closing switch (SW2)	
Finisher controller board	

[EA50] Stapling jam

Classification	Error item
Finisher jam (Finisher section)	[MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is. • Is the jam cleared by taking off the staple cartridge from the finisher and removing the staple sheet slid from the staple case?
Stapler interference sensor (S11)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN2) • Board check

Replace parts	Remarks
Stapler interference sensor (S11)	
Finisher controller board	

[EA60] Early arrival jam

Classification	Error item
Finisher jam (Finisher section)	The inlet sensor detects the paper earlier than a specified timing. [MJ-1103/1104]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher or on the transport path of the equipment and remove it if there is.
Entrance sensor (S1)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check(CN7) • Board check

Replace parts	Remarks
Entrance sensor (S1)	
Finisher controller board	

[EA70] Stack exit belt home position error

Classification	Error item
Finisher jam (Finisher section)	The stack exit belt is not at the home position. [MJ-1103/1104]

Check item	Measures
Stack belt exit home position sensor (S9)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Stack transport motor (M5)	<ul style="list-style-type: none">• Motor check• Connector check• Harness check
Finisher controller board	<ul style="list-style-type: none">• Connector check(CN10, CN11)• Board check
Upper surface detection sensor	<ul style="list-style-type: none">• Refer to CB31

Replace parts	Remarks
Stack belt exit home position sensor (S9)	
Stack transport motor (M5)	
Finisher controller board	

8.3.10 Paper jam in saddle stitcher section

[EA90] Door open jam

Classification	Error item
Finisher jam (Saddle stitcher section)	The delivery cover or inlet cover has opened during printing [MJ-1104]

Check item	Measures
Finisher, saddle stitcher	<ul style="list-style-type: none">• Check if there is any paper in the finisher, saddle stitcher or the on the transport path of the equipment. Remove it if there is.
Delivery cover sensor (PI3)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Inlet cover sensor (PI9)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Saddle stitcher controller board	<ul style="list-style-type: none">• Connector check(J10, J11)• Board check

Replace parts	Remarks
Delivery cover sensor (PI3)	
Inlet cover sensor (PI9)	
Saddle stitcher controller board	

[EAA0] Power-ON jam

Classification	Error item
Finisher jam (Saddle stitcher section)	Paper exists at No.1 paper sensor, No. 2 paper sensor, No.3 paper sensor, vertical path paper sensor or delivery sensor when power is turned ON. [MJ-1104]

Check item	Measures
Finisher, saddle stitcher	<ul style="list-style-type: none">• Check if there is any paper in the finisher, saddle stitcher or the on the transport path of the equipment. Remove it if there is.
No. 1 paper sensor (PI18)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
No. 2 paper sensor (PI19)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
No. 3 paper sensor (PI20)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Vertical path paper sensor (PI17)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Delivery sensor (PI11)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check
Saddle stitcher controller board	<ul style="list-style-type: none">• Connector check(J10, J13)• Board check

Replace parts	Remarks
No. 1 paper sensor (PI18)	
No. 2 paper sensor (PI19)	
No. 3 paper sensor (PI20)	
Vertical path paper sensor (PI17)	
Delivery sensor (PI11)	
Saddle stitcher controller board	

[EAB0] Paper transport stop jam

Classification	Error item
Finisher jam (Saddle stitcher section)	The paper which passed through the inlet sensor does not reach or pass No.1 paper sensor, No. 2 paper sensor, No.3 paper sensor or delivery sensor. [MJ-1104]

Check item	Measures
Finisher, saddle stitcher	<ul style="list-style-type: none">• Check if there is any paper in the finisher, saddle stitcher or the on the transport path of the equipment. Remove it if there is.
No. 1 paper sensor (PI18)	<ul style="list-style-type: none">• Sensor check• Connector check• Harness check

Check item	Measures
No. 2 paper sensor (PI19)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
No. 3 paper sensor (PI20)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Delivery sensor (PI11)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Saddle stitcher controller board	<ul style="list-style-type: none"> • Connector check(J9, J10) • Board check

Replace parts	Remarks
No. 1 paper sensor (PI18)	
No. 2 paper sensor (PI19)	
No. 3 paper sensor (PI20)	
Delivery sensor (PI11)	
Saddle stitcher controller board	

[EAB1] Short paper jam in Saddle Stitch Finisher

Classification	Error item
Finisher jam (Saddle stitcher section)	Short paper jam in Saddle Stitch Finisher [MJ-1104]

Check item	Measures
Finisher, saddle stitcher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher, saddle stitcher or the on the transport path of the equipment. Remove it if there is. • Use paper accepted in the specifications.
Feeding sensor (S22)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Junction box paper detection sensor (S26)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Transport path-2 (S27)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Transport path-3 (S28)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Ejecting roller (S29)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Interface PC board (I/F)	<ul style="list-style-type: none"> • Connector check(CN8) • Board check
Saddle stitcher controller board	<ul style="list-style-type: none"> • Connector check(CN20) • Board check
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Feeding sensor (S22)	
Junction box paper detection sensor (S26)	
Transport path-2 (S27)	
Transport path-3 (S28)	
Ejecting roller (S29)	
Interface PC board (I/F)	
Saddle stitcher controller board	
Finisher controller board	

8.3.11 Paper jam in puncher unit

[E9F0] Punching jam

Classification	Error item
Finisher jam (Punch unit)	[MJ-6102]

Check item	Measures
Finisher, saddle stitcher	<ul style="list-style-type: none"> Check if there is any paper in the finisher, punch unit or the on the transport path of the equipment. Remove it if there is.
Punch HP sensor (S4)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Punch motor (M3)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Punch controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Punch HP sensor (S4)	
Punch motor (M3)	
Punch controller board	

8.3.12 Other paper jam

[EAD0] Print end command time-out jam

Classification	Error item
Other paper jam	The printing has not finished normally because of an error occurring on the interface between the SYS board and the engine firmware at the end of printing.

Check item	Measures
Power	<ul style="list-style-type: none"> • Check if the error is cleared by turning the power OFF and then back ON.
SYS board	<ul style="list-style-type: none"> • Connector check • Board check
LGC board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
SYS board	
LGC board	

[EAE0] Receiving time-out jam

Classification	Error item
Finisher jam	The printing has been interrupted because of the communication error between the equipment and finisher when the paper is transported from the equipment to the finisher.

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Is the finisher working? • Check if the voltage (24V) is being supplied to the finisher.
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Finisher controller board	

[EB30] Ready time-out jam

Classification	Error item
Finisher jam	The equipment judges that the paper transport to the finisher is disabled because of the communication error between the equipment and finisher at the start of printing.

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the equipment. Remove it if there is.
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check
LGC board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Finisher controller board	
LGC board	

[ED10] Skew adjustment motor (M1) home position detection abnormality

Classification	Error item
Finisher jam	The Skew adjustment motor is not at the home position. [MJ-1103/1104 (when MJ-6102 is installed)]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher. Remove it if there is.
Skew adjustment motor (M1)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Skew HP sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Punch controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Skew adjustment motor (M1)	
Skew HP sensor (S2)	
Punch controller board	

[ED11] Sideways adjustment motor (M2) home position detection error

Classification	Error item
Finisher jam	The Sideways adjustment motor is not at the home position. [MJ-1103/1104 (when MJ-6102 is installed)]

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if there is any paper in the finisher. Remove it if there is.
Sideways adjustment motor (M2)	<ul style="list-style-type: none"> • Rotate sideways adjustment motor and fix its mechanism if it does not rotate smoothly. • Motor check • Connector check • Harness check
Sideways deviation HP sensor (S3)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Punch controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Sideways adjustment motor (M2)	
Sideways deviation HP sensor (S3)	
Punch controller board	

[ED12] Shutter home position error

Classification	Error item
Finisher jam	The shutter is not at the home position. [MJ-1103/1104]

Check item	Measures
Shutter	<ul style="list-style-type: none"> Open and close the shutter. If there is any mechanical problem, fix its mechanism.
Shutter opening/closing sensor (S4)	<ul style="list-style-type: none"> Rotate sideways adjustment motor and fix its mechanism if it does not rotate smoothly. Motor check Connector check Harness check
Shutter clutch (CLT1)	<ul style="list-style-type: none"> Clutch check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Shutter opening/closing sensor (S4)	
Shutter clutch (CLT1)	
Finisher controller board	

[ED13] Front alignment plate home position error

Classification	Error item
Finisher jam	The front alignment plate is not at the home position. [MJ-1103/1104]

Check item	Measures
Front alignment plate	<ul style="list-style-type: none"> Move the front alignment plate. If there is any mechanical problem, fix its mechanism.
Front alignment plate home position sensor (S7)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Front alignment motor (M9)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Front alignment plate home position sensor (S7)	
Front alignment motor (M9)	
Finisher controller board	

[ED14] Rear alignment plate home position error

Classification	Error item
Finisher jam (Finisher section)	The rear alignment plate is not at the home position. [MJ-1103/1104]

Check item	Measures
Rear alignment plate	<ul style="list-style-type: none"> Move the rear alignment plate. If there is any mechanical problem, fix its mechanism.
Rear alignment plate home position sensor (S7)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Rear alignment motor (M9)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Rear alignment plate home position sensor (S7)	
Rear alignment motor (M10)	
Finisher controller board	

[ED15] Paddle home position error

Classification	Error item
Finisher jam (Finisher section)	The paddle is not at the home position. [MJ-1103/1104]

Check item	Measures
Paddle	<ul style="list-style-type: none"> Rotate the paddle. If there is any mechanical problem, fix its mechanism.
Paddle home position sensor (S3)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Paddle motor (M8)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Paddle home position sensor (S3)	
Paddle motor (M8)	
Finisher controller board	

[ED16] Buffer tray home position error

Classification	Error item
Finisher jam (Finisher section)	The buffer tray is not at the home position. [MJ-1103/1104]

Check item	Measures
Buffer tray guide	<ul style="list-style-type: none"> Open and close the buffer tray guide. If there is any mechanical problem, fix its mechanism.
Buffer tray home position sensor (S5)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Buffer tray guide motor (M3)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher controller board	<ul style="list-style-type: none"> Connector check (CN11) Board check

Replace parts	Remarks
Buffer tray home position sensor (S5)	
Buffer tray guide motor (M3)	
Finisher controller board	

[EF10] Selecting paper not supported by Saddle Stitch Finisher

Classification	Error item
Finisher jam (Finisher section)	In the Saddle Stitch Finisher, selection is made of an unsupported paper size and type and an excess number of pages for stapling.

Check item	Measures
Setting	In the Saddle Stitch Finisher, selection is made of an unsupported paper size and type and an excess number of pages for stapling.
Buffer tray home position sensor (S5)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Buffer tray guide motor (M3)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Buffer tray home position sensor (S5)	
Buffer tray guide motor (M3)	
Saddle controller board	

[EF11] Saddle Stitch Finisher stapling error (front)

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining on the paper transport path in the Finisher or the equipment, or on the finishing tray?. Is the jam released by taking off the front staple cartridge from the Finisher and removing the staple sheet slid from the staple case?
Front saddle stapler drive unit	<ul style="list-style-type: none"> Unit check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN3) Board check

Replace parts	Remarks
Front saddle stapler drive unit	
Saddle controller board	

[EF12] Saddle Stitch Finisher stapling error (rear)

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining on the paper transport path in the Finisher or the equipment, or on the finishing tray?. Is the jam released by taking off the rear staple cartridge from the Finisher and removing the staple sheet slid from the staple case?
Rear saddle stapler drive unit	<ul style="list-style-type: none"> Unit check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN3) Board check

Replace parts	Remarks
Rear saddle stapler drive unit	
Saddle controller board	

[EF13] Saddle stitch unit paper holding home position detection error

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any mechanical problem when the paper holding cam is rotated?
Paper holding home position sensor (S38)	<ul style="list-style-type: none"> Sensor check Connector check Harness check

Check item	Measures
Saddle controller board	<ul style="list-style-type: none"> • Connector check (CN8) • Board check

Replace parts	Remarks
Paper holding home position sensor (S38)	
Saddle controller board	

[EF14] Saddle paper exit jam

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Is there any paper remaining in the paper transport path of the equipment or the saddle stitch section of the Finisher?
Exit sensor (S31)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Saddle controller board	<ul style="list-style-type: none"> • Connector check (CN19) • Board check

Replace parts	Remarks
Exit sensor (S31)	
Saddle controller board	

[EF15] Saddle Stitch Finisher side alignment motor home position detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Is there any mechanical problem when the jog is moved?
Side alignment home position sensor (S36)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Side alignment motor (M15)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Saddle controller board	<ul style="list-style-type: none"> • Connector check (CN5) • Board check

Replace parts	Remarks
Side alignment home position sensor (S36)	
Side alignment motor (M15)	
Saddle controller board	

[EF16] Saddle Stitch Finisher stacker motor home position detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Stacker carrier	<ul style="list-style-type: none"> Is there any mechanical problem when the stacker carrier is moved?
Stacker home position sensor (S33)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Stacker motor (M14)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN4) Board check

Replace parts	Remarks
Stacker home position sensor (S33)	
Stacker motor (M14)	
Saddle controller board	

[EF17] Saddle Stitch Finisher folding blade home position detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Folding blade cam	<ul style="list-style-type: none"> Is there any mechanical problem when the folding blade cam is rotated?
Folding blade home position sensor (S35)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Folding blade clutch (CLT3)	<ul style="list-style-type: none"> Clutch check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN15) Board check

Replace parts	Remarks
Folding blade home position sensor (S35)	
Folding blade clutch (CLT3)	
Saddle controller board	

[EF18] Saddle Stitch Finisher additional folding roller home position detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Additional folding carrier	<ul style="list-style-type: none"> Is there any mechanical problem when the additional folding carrier is moved?
Additional folding home position sensor (S39)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Additional folding motor (M20)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN18, CN19) Board check

Replace parts	Remarks
Additional folding home position sensor (S39)	
Additional folding motor (M20)	
Saddle controller board	

[EF19] Saddle paper folding jam

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining in the paper transport path in the equipment or the saddle stitch section of the Finisher?
Exit transport sensor (S41)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN19) Board check

Replace parts	Remarks
Exit transport sensor (S41)	
Saddle controller board	

[EF20] Saddle stacker jam

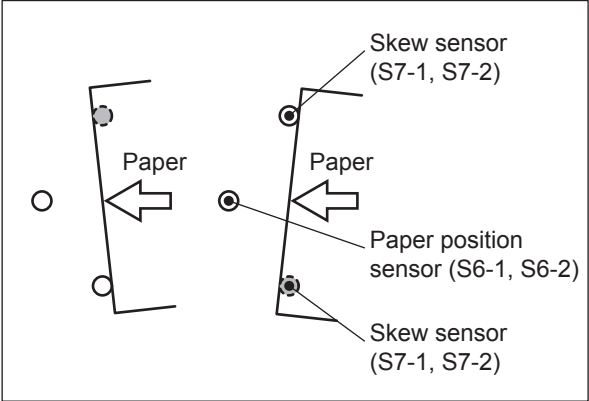
Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining in the paper transport path in the equipment or the saddle stitch section of the Finisher?
Stacker paper detection sensor (S30)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Saddle controller board	<ul style="list-style-type: none"> Connector check (CN19) Board check

Replace parts	Remarks
Stacker paper detection sensor (S30)	
Saddle controller board	

[EF21] Hole Punch Unit paper leading edge skew detection abnormality

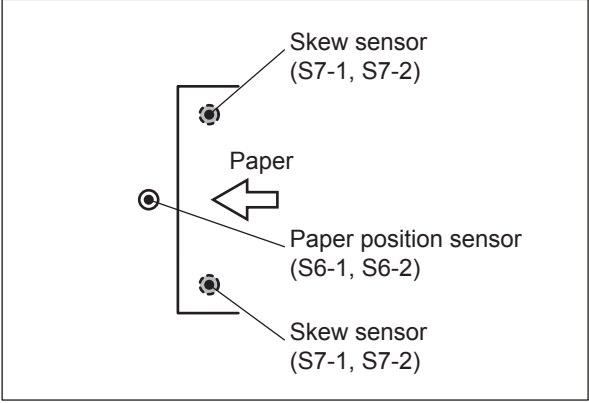
Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining on the paper transport path? Is it staying at the position shown below?  <ul style="list-style-type: none"> Figure out the cause of the paper stopping (e.g. folding) and correct it. Then remove the paper.
Skew sensor (S7-1/S7-2)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Punch controller board	<ul style="list-style-type: none"> Connector check (CN19) Board check

Replace parts	Remarks
Skew sensor (S7-1/S7-2)	
Punch controller board	

[EF22] Hole Punch Unit paper leading edge detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining on the paper transport path? Is it staying at the position shown below?  <ul style="list-style-type: none"> Figure out the cause of the paper stopping (e.g. folding) and correct it. Then remove the paper.
Paper position sensor (S6-1/S6-2)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Punch controller board	<ul style="list-style-type: none"> Connector check (CN19) Board check

Replace parts	Remarks
Paper position sensor (S6-1/S6-2)	
Punch controller board	

[EF23] Hole Punch Unit paper alignment abnormality

Classification	Error item
Finisher jam (Saddle section)	

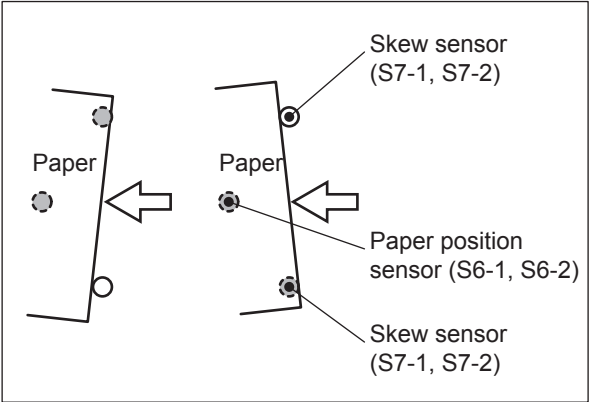
Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining in the paper transport path in the equipment or the Finisher?
Sideways deviation home position sensor (S3)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Paper position sensor (S6-1/S6-2)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Sideways adjustment motor (M2)	<ul style="list-style-type: none"> Motor check Connector check Harness check

Check item	Measures
Punch controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Sideways deviation home position sensor (S3)	
Sideways adjustment motor (M2)	
Punch controller board	

[EF24] Hole Punch Unit paper leading skew detection abnormality

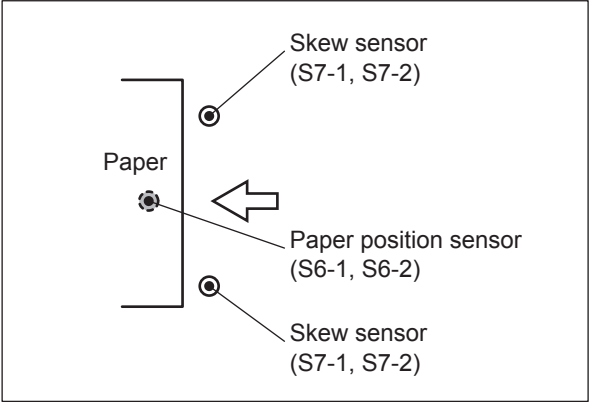
Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Is there any paper remaining on the paper transport path? Is it staying at the position shown below?  <ul style="list-style-type: none"> • Figure out the cause of the paper stopping (e.g. folding) and correct it. Then remove the paper.
Skew sensor (S7-1/S7-2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Punch controller board	<ul style="list-style-type: none"> • Connector check (CN19) • Board check

Replace parts	Remarks
Skew sensor (S7-1/S7-2)	
Punch controller board	

[EF25] Hole Punch Unit paper leading edge detection abnormality

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining on the paper transport path? Is it staying at the position shown below?  <ul style="list-style-type: none"> Figure out the cause of the paper stopping (e.g. folding) and correct it. Then remove the paper. Remove paper dust or punches on the paper position sensor (S6-1, S6-2).
Paper position sensor (S6-1/S6-2)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Punch controller board	<ul style="list-style-type: none"> Connector check (CN19) Board check

Replace parts	Remarks
Paper position sensor (S6-1/S6-2)	
Punch controller board	

[EF27] Hole Punch Unit paper edge detection order abnormality-1

[EF28] Hole Punch Unit paper edge detection order abnormality-2

Classification	Error item
Finisher jam (Saddle section)	

Check item	Measures
Finisher	<ul style="list-style-type: none"> Is there any paper remaining in the paper transport path in the equipment or the Finisher?
Skew sensor (S7-1/S7-2)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Punch controller board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Skew sensor (S7-1/S7-2)	
Punch controller board	

8.3.13 Paper feeding system related service call

[C130] 1st drawer tray abnormality

[C140] 2nd drawer tray abnormality

Classification	Error item
Paper feeding system related service call	The tray-up motor is not rotating or the 1st drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 1st drawer).(C130) The tray-up motor is not rotating or the 2nd drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 2nd drawer).(C140)

Check item	Measures
Coupling	Check that no paper scraps remain in the coupling section.
Tray-up motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-246/247) • Connector check • Harness check
Tray-up sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[9]/[H], /[9]/[G]) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN508, CN513) • Board check

Replace parts	Remarks
Tray-up motor	
Tray-up sensor	
PFC board	

[C150] 3rd drawer tray abnormality

[C160] 4th drawer tray abnormality

Classification	Error item
Paper feeding system related service call	The 3rd drawer tray-up motor is not rotating or the 3rd drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 3rd drawer).(C150) The 4th drawer tray-up motor is not rotating or the 4th drawer tray is not moving normally. (the case that paper can be fed from any drawer except the 4th drawer).(C160)

Check item	Measures
Coupling	Check that no paper scraps remain in the coupling section.
Tray-up motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-248/249) • Connector check • Harness check
Tray-up sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[9]/[F], /[9]/[E]) • Connector check • Harness check

Check item	Measures
PFC board	<ul style="list-style-type: none"> Connector check (CN504, CN505, CN506) Board check

Replace parts	Remarks
Tray-up motor	
Tray-up sensor	
PFC board	

[C180] LCF tray-up motor abnormality

Classification	Error item
Paper feeding system related service call	The LCF tray-up motor is not rotating or the LCF tray is not moving normally. (the case that paper can be fed from any drawer except the LCF)

Check item	Measures
LCF tray-up motor	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-257) Connector check Harness check
LCF tray-up sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[COPY]ON/[9]/[F]) Connector check Harness check
LCF tray bottom sensor	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[SCAN]ON/[2]/[E]) Connector check Harness check
PFC board	<ul style="list-style-type: none"> Connector check (CN505, CN507) Board check

Replace parts	Remarks
LCF tray-up motor	
LCF tray-up sensor	
LCF tray bottom sensor	
PFC board	

[C1A0] LCF end fence motor abnormality

Classification	Error item
Paper feeding system related service call	The LCF end fence motor is not rotating or the LCF end fence is not moving normally. (the case that paper can be fed from any drawer except the LCF)

Check item	Measures
LCF end fence motor	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-256) Connector check Harness check

Check item	Measures
LCF end fence home position sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[COPY]ON/[9]/[E]) • Connector check • Harness check
LCF end fence stop position sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[1]/[E]) • Connector check • Harness check
PFC board	<ul style="list-style-type: none"> • Connector check (CN507) • Board check

Replace parts	Remarks
LCF end fence motor	
LCF end fence home position sensor	
LCF end fence stop position sensor	
PFC board	

[C1C0] Option LCF tray-up motor abnormality

Classification	Error item
Paper feeding system related service call	The option LCF tray-up motor is not moving normally

Check item	Measures
Option LCF hook	Check that the optional LCF is hooked by two positions on the equipment.If it is not hooked securely, perform its height adjustment.
Gaps between the equipment and the optional LCF	Check that the gaps between the equipment and the optional LCF on the upper and lower positions are even. If the gap on the upper position is wider than that on the lower position, perform height adjustment of the optional LCF.
Option LCF tray-up motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-270) • Connector check • Harness check
Option LCF tray-up sensor	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[SCAN]ON/[5]/[H]) • Connector check • Harness check
LCF board	<ul style="list-style-type: none"> • Connector check • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN503) • Harness check • Board check

Replace parts	Remarks
Option LCF bottom sensor	
Option LCF top sensor	
LCF board	
PFC board	

8.3.14 Scanning system related service call

[C260] Peak detection error

Classification	Error content
Scanning system related service call	Peak detection error

Procedure	Check item	Result	Measure	Next Step
1	Is the exposure lamp lit? (Output check: 03-267)	Yes	It is lit.	2
		No	It is not lit.	3
2	Shading correction plate	1. Check if there is any scratch or stain on the shading correction plate.		
	Mirror	1. Check if the mirror is tilted. - Check that the lens is reflected in the mirror looking at carriage-1 from the upper position. - Check that the mirror is secured at the leaf spring.		
	Exposure lamp	1. Check if the exposure lamp is correctly lit. 2. Check if the harness is connected properly to the exposure lamp connector. 3. When the carriage is driven, check if the harness interferes with it or parts are caught in it.		
	CCD board / Lens unit	1. Check if the connector of the CCD board is connected properly. 2. Check if the CCD board is installed properly. (Check that the lens unit is not tilted or the screw is securely tighten.)		
	SLG board	1. Check if the connector of the SLG board is connected properly. 2. Check if the mounted parts on the SLG board are damaged or abnormal. 3. Check if 10 V is output from the power supply for CCD.		
3	SLG board	1. Check if the supply cable is connected properly to the connector. 2. Check if the mounted parts on the SLG board are damaged or abnormal.		
	Inverter board	1. Check if the harness of the exposure lamp is connected to the inverter board properly. 2. Check if the supply harness to the inverter board is connected properly. 3. Check if the mounted parts on the inverter board are damaged or abnormal.		
	Exposure lamp	1. Check if the harness of the exposure lamp is connected to the inverter board properly. 2. Check if the exposure lamp is scratched or damaged.		
	Supply harness	1. Check if wiring of the supply harness (CN127) is abnormal. 2. Check if the harness is scratched or open circuited.		

Parts to be replaced	Remark
Lens unit	
SLG board	
Exposure lamp	
Supply harness	

[C270] Carriage home position sensor not going OFF within a specified time / Downloading firmware with an incorrect model

Classification	Error content
Scanning system related service call	Carriage home position sensor not going OFF within a specified time / Downloading firmware with an incorrect model

Remove the original glass and move the carriages to the paper feeding side. Turn ON the power and check the following items.

Procedure	Check item	Measure
1	Carriage lock	Check if the carriage locking screw for packaging is attached.
2	Carriage home position sensor	1. Check if the harness of the carriage home position sensor is connected properly. 2. Check if the harness is caught or open circuited.
3	SLG board	1. Check if the connector of the carriage home position sensor on the SLG board is connected properly. 2. Check if the mounted parts on the SLG board are damaged or abnormal. 3. If the model of the firmware downloaded is incorrect, a C270 error (exposure lamp blinks twice) occurs. If the exposure lamp blinks twice, download the correct ROM.
4	Scan motor	1. Check if the belt tension is loosened. 2. Check if the motor fixing screw is loosened. 3. Check if the carriage wire and the timing belt come off. 4. Check if the connector is connected to the motor properly. 5. Check if the harness of the motor is caught or open circuited.

Parts to be replaced	Remark
Carriage home position sensor	
Carriage home position sensor harness	
SLG board	
Scan motor	
Scan motor harness	

[C280] Carriage home position sensor not going ON within a specified time

Classification	Error content
Scanning system related service call	Carriage home position sensor not going ON within a specified time

Remove the original glass and move the carriages to the paper feeding side. Turn ON the power and check the following items.

Procedure	Check item	Measure
1	Carriage lock	Check if the carriage locking screw for packaging is attached.
2	Carriage home position sensor	1. Check if the harness is properly connected to the sensor 2. Check if the harness is caught or open circuited.

Procedure	Check item	Measure
3	SLG board	<ol style="list-style-type: none"> 1. Check if the harness of the carriage home position sensor is connected properly. 2. Check if the mounted parts on the SLG board are damaged or abnormal.
4	Scan motor	<ol style="list-style-type: none"> 1. Check if the belt tension is loosened (if the motor screw is loosened). 2. Check if the wire and the belt come off. 3. Check if the connector (J007/J125) is connected to the motor properly. 4. Check if the harness of the motor is caught or open circuited.

Parts to be replaced	Remark
Carriage home position sensor	
Carriage home position sensor harness	
SLG board	
Scan motor	
Scan motor harness	

[C290] Scanner fuse blowout

Classification	Error content
Scanning system related service call	The scanning system does not operate due to a blowout of the fuse in the scanning system.

Procedure	Check item	Result	Measure	Next Step
1	Is 24V supplied to the SLG board?	Yes	Supplied.	2
		No	Not supplied.	3
2	SLG board	Check the following because the signal for checking 24V on the SLG board is abnormal. <ol style="list-style-type: none"> 1. Check if 3V is input in 35 Pin of the scanner CPU (IC15). 2. Check if the mounted parts on the SLG board are damaged or abnormal. 		
3	Supply harness	1. Check if the supply harness is connected properly to the connector.		
	SLG board	<ol style="list-style-type: none"> 1. Check if 24V and SG on the SLG board are short circuited. 2. Check if the power supply is short circuited by pulling out the supply harness on the SLG board. 		
	LVPS	1. Check if the fuse on the LVPS is open circuited.		

Parts to be replaced	Remark
SLG board	
Fuse	
Supply harness	
LVPS	

8.3.15 Fuser unit related service call

Be sure to turn OFF the power and unplug the power cable beforehand when checking the power supply unit and fuser unit.

The fuser unit itself or the part of the unit remains heated and the capacitors are still charged after a while the power cable is unplugged. So make sure the unit is cooled down enough before checking.

[C411] Thermistor or IH abnormality at power-ON

[C412] Thermistor/IH abnormality at power-ON

Classification	Error item
Fuser unit related service call	Abnormality of the thermistor is detected when power is turned ON or the temperature of the fuser belt does not rise in a specified period of time after power is turned ON.(C411) Thermistor abnormality is detected at power-ON or the fuser belt temperature does not rise within a specified period of time after power-ON.(C412)

Check item	Measures
Power voltage	<ul style="list-style-type: none"> Check if the power voltage is normal.(Is the voltage during the operation $\pm 10\%$ of the rated voltage?)
Error detection history	Check the error detection history of each temperature detecting element when the error occurred. If any of the elements detects an abnormal temperature, check step 3. <ul style="list-style-type: none"> 08-4530: Fuser belt center thermopile temperature 08-4532: Fuser belt edge thermistor temperature 08-4533: Pressure roller center thermistor temperature 08-4545: Pressure roller rear thermistor temperature
Thermopiles	<ul style="list-style-type: none"> Check if the fuser belt center and side thermopiles (front, rear) are installed properly. Check if the harnesses of the fuser belt center and side thermopiles (front, rear) are open circuited.
Fuser unit	<ul style="list-style-type: none"> Unit check Connector check Harness check
IH coil	<ul style="list-style-type: none"> Connector check Harness check
IH board	<ul style="list-style-type: none"> Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN305, CN306) Harness check
Status counter	<ol style="list-style-type: none"> [0], [8] Power ON. Key in "2002", then press [START]. Change the current status counter value "1" or "2" to "0", then press [ENTER] or [INTERRUPT] (to cancel [C411/ C412]).) Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state.

Replace parts	Remarks
Thermopiles	
Fuser unit	
IH coil	
IH board	
LGC board	

- [C443] IH abnormality after abnormality judgment (not reaching to intermediate temperature)
- [C445] IH abnormality after abnormality judgment (pre-running end temperature abnormality)
- [C446] IH abnormality after abnormality judgment (pre-running end temperature abnormality)
- [C447] IH abnormality after abnormality judgment (temperature abnormality at ready status)
- [C449] IH abnormality after abnormality judgment (high temperature abnormality)

Classification	Error item
Fuser unit related service call	

Check item	Measures
Power supply	<ul style="list-style-type: none"> Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?)
Error detection history	<p>Check the error detection history of each temperature detecting element when the error occurred. If any of the elements detects an abnormal temperature, check next.</p> <ul style="list-style-type: none"> 08-4530: Fuser belt center thermopile temperature 08-4532: Fuser belt edge thermistor temperature 08-4533: Pressure roller center thermistor temperature 08-4545: Pressure roller rear thermistor temperature
Thermopiles	<ul style="list-style-type: none"> Check if the fuser belt center and side thermopiles (front, rear) are installed properly. Check if the harnesses of the fuser belt center and side thermopiles (front, rear) are open circuited.
Fuser unit	<ul style="list-style-type: none"> Unit check Connector check Harness check
IH coil	<ul style="list-style-type: none"> Connector check Harness check
IH board	<ul style="list-style-type: none"> Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN305, CN306) Harness check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the current status counter value (08-2002) "3", "5", "6", "9", "19", "21", "22", "23", "24", "25", "27" or "29" to "0" for [C44X], taking the same procedure as that for [C41X]) 4. Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state. <p>The status counter value is as follows in the following cases.</p> <ul style="list-style-type: none"> The error occurred during warming-up: "3", "5" or "6" The error occurred after the equipment has become ready: "7" The temperature detected by the fuser belt center thermopile is 230°C or higher, the temperature detected by the side thermopile is 230°C or higher or the temperature detected by the edge thermopile is 230°C or higher: "9", "19", "21", "22", "23", "25", "27" or "29". The error occurred during printing: "24" or "25" The error occurred during energy saving: "27" A paper jam occurred: "29"

Replace parts	Remarks
Thermopiles	
Fuser unit	
IH coil	
IH board	
LGC board	

[C448] IH continuous lighting abnormality

Classification	Error item
Fuser unit related service call	IH lights continuously for a certain period of time when the pressure roller temperature during ready status is higher than the specified

Check item	Measures
Power supply	<ul style="list-style-type: none"> • Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?) • Check the power supply unit. • Connector check (CN403, CN409)
Thermopiles	<ul style="list-style-type: none"> • Check if foreign matter or paper in the fuser unit is plugging up the monitoring opening of the fuser belt thermopile. • Check if the opening of the fuser belt thermopile of the equipment is plugged up.
Fuser unit	<ul style="list-style-type: none"> • Unit check • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN305) • Harness check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the displayed current status counter value "32" to "0", then press [ENTER] or [INTERRUPT] (to cancel C448). 4. Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state.

Replace parts	Remarks
Thermopiles	
Fuser unit	
Power supply	
LGC board	

[C461] Pressure roller temperature detection (40 degrees C) abnormality (not determined)

[C462] Pressure roller temperature detection (40 degrees C) abnormality (determined)

[C464] Pressure roller thermistor temperature difference abnormality

Classification	Error item
Fuser unit related service call	

Check item	Measures
Power supply	<ul style="list-style-type: none"> • Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?) • Connector check (CN403, CN409)
Error detection history	<p>Check the error detection history of each temperature detecting element when the error occurred. If any of the elements detects an abnormal temperature, check next.</p> <ul style="list-style-type: none"> • 08-4531: Fuser belt center thermopile temperature • 08-4532: Fuser belt edge thermistor temperature • 08-4533: Pressure roller center thermistor temperature • 08-4545: Pressure roller rear thermistor temperature
Pressure roller thermistor	<ul style="list-style-type: none"> • Sensor check • Install check • Is the pressure roller rear thermistor contacted with the pressure roller surface securely?
Fuser unit	<ul style="list-style-type: none"> • Unit check • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN301, CN306) • Harness check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Reset the status counter values "61", "70", "71" or "62" to "0". Then press [ENTER] on the touch panel or the [INTERRUPT] button on the control panel. (The error C461, C462 or C464 is released.) 4. Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state.

Replace parts	Remarks
Pressure roller thermistor	
Fuser unit	
Power supply	
LGC board	

[C467] Pressure roller thermistor abnormality after entering ready status (temperature abnormality at ready status)

[C468] Pressure roller thermistor abnormality after entering ready status (overheating)

Classification	Error item
Fuser unit related service call	

Check item	Measures
Power supply	<ul style="list-style-type: none"> • Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?) • Connector check (CN403, CN409)
Pressure roller thermistor	<ul style="list-style-type: none"> • Sensor check • Install check • Is the pressure roller rear thermistor contacted with the pressure roller surface securely?

Check item	Measures
Fuser unit	<ul style="list-style-type: none"> Unit check Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN301, CN306) Harness check
Status counter	<ol style="list-style-type: none"> [0], [8] Power ON. Key in "2002", then press [START]. Change the current status counter value (08-2002) "5", "6", "8", "18", "20", "26", "28", "33" or "34" to "0" Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state. <p>Remarks: The status counter value is set as follows in the following cases.</p> <ul style="list-style-type: none"> The error occurred during warming-up: "5" or "6" The error occurred after the equipment has become ready: "33" Regardless of the equipment's status (i.e. during warming-up or in ready status), when the temperature detected by the pressure roller thermistor is 210°C or higher: "8", "18", "20", "26" or "28". The error occurred during printing: "34"

Replace parts	Remarks
Pressure roller thermistor	
Fuser unit	
Power supply	
LGC board	

[C471] IH board initialization abnormality

[C472] Power supply abnormality

Classification	Error item
Fuser unit related service call	Power is not supplied to the IH board. Or there is trouble in the power supply environment of the installation location.

Check item	Measures
Power supply	<ul style="list-style-type: none"> Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?) Connector check Power cable check
Duplexing unit interlock switch.	<ul style="list-style-type: none"> Switch check Install check
Thermostat	<ul style="list-style-type: none"> Sensor check Install check
Fuser unit	<ul style="list-style-type: none"> Unit check Connector check Harness check

Check item	Measures
IH board	<ul style="list-style-type: none"> • Connector check • Harness check • Breaker, fuse check
LGC board	<ul style="list-style-type: none"> • Connector check (CN305, CN306) • Harness check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the current status counter value (08-2002) "11" to "0" 4. Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state.

Replace parts	Remarks
Duplexing unit interlock switch.	
Fuser unit	
Power supply	
IH board	
LGC board	

[C473] Surge pressure detection / power and voltage upper limit abnormality
[C474] Power and voltage lower limit abnormality

Classification	Error item
Fuser unit related service call	

Check item	Measures
Power supply	<ul style="list-style-type: none"> • Check if the power voltage is normal.(Is the voltage during the operation $\pm 10\%$ of the rated voltage?) • Connector check (CN403, CN409) • Power cable check
IH board	<ul style="list-style-type: none"> • Connector check(CN462) • Harness check • Breaker, fuse check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the current status counter value (08-2002) "13" or "16" to "0".

Replace parts	Remarks
Power supply	
IH board	

[C480] IGBT high temperature abnormality

Classification	Error item
Fuser unit related service call	

Check item	Measures
IH board cooling fan-1/-2	<ul style="list-style-type: none"> Fan motor check (Perform the output check: 03-453/454) Connector check Harness check
IH board	<ul style="list-style-type: none"> Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN305) Harness check
Status counter	<ol style="list-style-type: none"> [0], [8] Power ON. Key in "2002", then press [START]. Change the current status counter value (08-2002) "14" to "0".

Replace parts	Remarks
IH board cooling fan-1/-2	
IH board	
LGC board	

[C481] IH drive circuit abnormality

Classification	Error item
Fuser unit related service call	

Check item	Measures
IH board	<ul style="list-style-type: none"> Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN305) Harness check
Status counter	<ol style="list-style-type: none"> [0], [8] Power ON. Key in "2002", then press [START]. Change the current status counter value (08-2002) "15" to "0".

Replace parts	Remarks
IH board	
LGC board	

[C490] IH circuit abnormality / IH coil abnormality

Classification	Error item
Fuser unit related service call	IH circuit abnormality / IH coil abnormality

Check item	Measures
Power supply	<ul style="list-style-type: none"> Check if the power voltage is normal. (Is the voltage during the operation $\pm 10\%$ of the rated voltage?) Connector check (CN403, CN409)
IH board	<ul style="list-style-type: none"> Connector check Harness check

Check item	Measures
Fuser unit	<ul style="list-style-type: none"> • Unit check • Connector check • Harness check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the current status counter value (08-2002) "17" to "0".

Replace parts	Remarks
IH board	
LGC board	

[C4B0] Fuser unit counter abnormality

Classification	Error item
Fuser unit related service call	

Check item	Measures
LGC board	<ul style="list-style-type: none"> • SRAM check • Board check
Status counter	<ol style="list-style-type: none"> 1. [0], [8] Power ON. 2. Key in "2002", then press [START]. 3. Change the values "72" or above, or "4" of the status counter (08-2002) to "0".

Replace parts	Remarks
LGC board	

[C4B1] Fuser unit voltage judgment abnormality

Classification	Error item
Fuser unit related service call	Errors in the IH board, FIL board and fuser unit when the destination selection of the equipment is incorrect.

Check item	Measures
Fuser unit	<ul style="list-style-type: none"> • Unit check • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN305, CN306, CN330) • Board check
Switching regulator	<ul style="list-style-type: none"> • Connector check (CN404) • Harness check
IH board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Fuser unit	
LGC board	
Switching regulator	

Replace parts	Remarks
IH board	

[C4E0] Fuser pressure release abnormality

[C4E1] Fuser pressure contact abnormality

Classification	Error item
Fuser unit related service call	Though the pressure roller is released, its position cannot be detected.(C4E0) Though the pressure roller is contacted, its position cannot be detected.(C4E1)

Check item	Measures
Pressure roller contact/release detection sensor(S48)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[3]/[F]) • Connector check • Harness check
Pressure roller contact/release clutch(CLT1)	<ul style="list-style-type: none"> • Clutch check (Perform the output check: 03-273) • Connector check • Harness check
Fuser unit	<ul style="list-style-type: none"> • Unit check • Connector check • Harness check • Check that 2 dowels are securely fitted into the holes of the fuser drive unit.
LGC board	<ul style="list-style-type: none"> • Connector check (CN306, CN311) • Board check

Replace parts	Remarks
Pressure roller contact/release detection sensor	
Pressure roller contact/release clutch	
LGC board	

[C4E2] Fuser belt rotation detection sensor abnormality

Classification	Error item
Fuser unit related service call	The fuser belt does not rotate or does so incorrectly.

Check item	Measures
Fuser unit	<ul style="list-style-type: none"> Fuser belt rotation detection sensor check (Input check: 03-[FAX]ON/[4]/[F]) Connector check in the fuser belt rotation sensor Harness check in the fuser belt rotation sensor Detection plate (rotor) check Grease check in the gear (shaft / tooth flank) Fuser roller check Check that the C-ring in the pressure roller does not come off. Check that the bearing in the heat pipe roller rotates properly. Fuser unit installation check (Check that the screws fixing the fuser unit are not loose.)
Fuser drive unit	<ul style="list-style-type: none"> Bushing check Check that the drive unit is correctly installed (2 dowels). Check that the drive metal plate is not broken. Check that the gear is not damaged or worn. One-way clutch check Grease check in the gear (shaft / tooth flank)
LGC board	<ul style="list-style-type: none"> Connector check (CN306) Board check

Replace parts	Remarks
Fuser belt rotation detection sensor	
Detection plate (rotor)	Dirty/damaged
Fuser roller	Deformed/damaged
Heat pipe roller bearing	Locked (Rotation failure)
Bushing	Worn
Drive plate	Bend section broken
Gear	Teeth damaged, worn
LGC board	

8.3.16 Communication related service call

[C550] RADF I/F error

Classification	Error item
Optional communication related service call	Communication error has occurred between the RADF and the scanner.

Check item	Measures
RADF board	<ul style="list-style-type: none"> Connector check (CN70, CN71) Harness check Board check
SLG board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).
SLG board	

[C560] Communication error between Engine-CPU and PFC board

Classification	Error item
Optional communication related service call	

Check item	Measures
PFC board	<ul style="list-style-type: none"> • Connector check (CN500, CN501) • Harness check • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN301, CN303) • Board check

Replace parts	Remarks
PFC board	
LGC board	

[C570] Communication error between Engine-CPU and CNV-CPU

Classification	Error item
Optional communication related service call	

Check item	Measures
Harness (MFP - Finisher)	<ul style="list-style-type: none"> • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN332) • Board check

Replace parts	Remarks
LGC board	

[C580] Communication error between CNV-CPU and finisher

Classification	Error item
Optional communication related service call	

Check item	Measures
Finisher	<ul style="list-style-type: none"> • Check if the specified finisher is attached.
LGC board	<ul style="list-style-type: none"> • Connector check • Board check

Check item	Measures
Harness (MFP - Finisher)	<ul style="list-style-type: none"> • Connector check • Harness check
Finisher controller board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
LGC board	
Finisher controller board	

[F070] Communication error between System-CPU and Engine-CPU

Classification	Error item
Communication related service call	

Check item	Measures
Switching regulator	<ul style="list-style-type: none"> • Check the fuse (F210). • Connector check (CN404, CN405) • Board check
SYS board	<ul style="list-style-type: none"> • Check the version of the system ROM. • Connector check (CN135)
LGC board	<ul style="list-style-type: none"> • Check the version of the engine ROM. • Connector check (CN319, CN320)
IMG board	<ul style="list-style-type: none"> • Connector check (CN422, CN423, CN424) • Board check

Replace parts	Remarks
Switching regulator	<ul style="list-style-type: none"> • Replace the fuse (F210). • Replace the switching regulator.
LGC board	
SYS board	If the problem is not corrected with the replacement of the LGC board, reinstall the removed LGC board and replace the SYS board.
IMG board	If the problem is still not corrected with the replacement of the SYS board, reinstall the removed SYS board and replace the IMG board.

[F110] Communication error between System-CPU and Scanner-CPU**[F111] Scanner response abnormality**

Classification	Error item
Communication related service call	

Check item	Measures
Reproducibility	Turn the power OFF and then back ON using the main power switch.
SYS board	<ul style="list-style-type: none"> • Check the version of the system ROM. • Connector check
SLG board	<ul style="list-style-type: none"> • Check the version of the scanner ROM. • Connector check
IMG board	<ul style="list-style-type: none"> • Connector check

Replace parts	Remarks
SYS board	
SLG board	

8.3.17 RADF related service call

[C730] EEPROM abnormality

Classification	Error item
Optional communication related service call	Data abnormality occurs during the EEPROM writing of the RADF is performed.

Check item	Measures
RADF board	<ul style="list-style-type: none"> • Connector check • Harness check • Board check IC12)

Replace parts	Remarks
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C880] RADF original feed motor abnormality

Classification	Error item
Optional communication related service call	An error signal has been detected when the motor is rotating.

Check item	Measures
RADF board	<ul style="list-style-type: none"> • Connector check (CN76) • Harness check • Board check
RADF original feed motor (MR1)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-281) • Connector check • Harness check

Replace parts	Remarks
RADF original feed motor	
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C890] RADF read motor abnormality

Classification	Error item
Optional communication related service call	An error signal has been detected when the motor is rotating.

Check item	Measures
RADF board	<ul style="list-style-type: none"> • Connector check (CN76) • Harness check • Board check
RADF read motor (MR2)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-283) • Connector check • Harness check

Replace parts	Remarks
RADF read motor	
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C8A0] RADF reverse motor abnormality

Classification	Error item
Optional communication related service call	An error signal has been detected when the motor is rotating.

Check item	Measures
RADF board	<ul style="list-style-type: none"> • Connector check (CN77) • Harness check • Board check
RADF reverse motor (MR3)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-286) • Connector check • Harness check

Replace parts	Remarks
RADF reverse motor	
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C8B0] RADF exit motor abnormality

Classification	Error item
Optional communication related service call	An error signal has been detected when the motor is rotating.

Check item	Measures
RADF board	<ul style="list-style-type: none"> • Connector check (CN78) • Harness check • Board check
RADF exit motor (MR4)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-284) • Connector check • Harness check

Replace parts	Remarks
RADF exit motor	
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C8C0] RADF original reading start sensor abnormality

Classification	Error item
Optional communication related service call	The automatic adjustment for the original reading start sensor has been performed, but is ended unsuccessfully.

Check item	Measures
RADF original reading start sensor (SR10)	<ul style="list-style-type: none">• Sensor check (Perform the input check: 03-[FAX]ON/[7]/[H])• Connector check• Harness check
RADF board	<ul style="list-style-type: none">• Connector check (CN75)• Harness check• Board check

Replace parts	Remarks
RADF original reading start sensor	
RADF board	Replace the RADF board, and then perform the automatic adjustment for the original reading start sensor (05-3210).

[C8E0] RADF communication protocol abnormality

Classification	Error item
Optional communication related service call	The system has to be stopped because the control abnormality occurred.

Check item	Measures
Other	<ul style="list-style-type: none">• Turn the power OFF and then back ON to check if the equipment operates normally.

8.3.18 Circuit related service call

[C5A0] SRAM board not connected (LGC board)

Classification	Error item
Optional communication related service call	SRAM board not connected (LGC board)

Check item	Measures
SRAM board	<ul style="list-style-type: none">• Connector check• Board check
LGC board	<ul style="list-style-type: none">• Connector check• Board check

Replace parts	Remarks
SRAM board	
LGC board	

[C5A1] SRAM board data abnormality (LGC board)

Classification	Error item
Optional communication related service call	SRAM board data abnormality (LGC board)

Check item	Measures
SRAM board	<ul style="list-style-type: none"> • Connector check • Board check • Battery check
LGC board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
SRAM board	
LGC board	

[C900] Connection error between the SYS board and the LGC board

Classification	Error item
Circuit related service call	Connection error between the SYS board and the LGC board

Check item	Measures
IMG board	<ul style="list-style-type: none"> • Connector check (CN422, CN423, CN424) • Board check
SYS board	<ul style="list-style-type: none"> • Connector check (CN135) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN319, CN320) • Board check

Replace parts	Remarks
LGC board	If the problem is not corrected with the replacement of the LGC board, reinstall the removed LGC board and replace the IMG board.
SYS board	If the problem is still not corrected with the replacement of the SYS board, reinstall the removed SYS board and replace the IMG board.
IMG board	

[C901] System format error for scanner

Classification	Error item
Circuit related service call	System format error for scanner

Check item	Measures
Main power switch	Does service call still occur even after turning OFF the main power switch then back ON?
SLG board	<ul style="list-style-type: none"> • Connector check (CN12) • Board check

Check item	Measures
SYS board	<ul style="list-style-type: none"> Connector check (CN135) Board check

Replace parts	Remarks
SLG board	
SYS board	

[C940] Engine-CPU abnormality

Classification	Error item
Circuit related service call	

Check item	Measures
LGC board	<ul style="list-style-type: none"> Does service call still occur even after turning OFF the main power switch then back ON? Check if the conductor pattern between the Engine-CPU and FROM, SRAM is short circuited or open circuited.

Replace parts	Remarks
LGC board	

[C962] LGC board ID abnormality

Classification	Error item
Circuit related service call	LGC board ID abnormality

Check item	Measures
LGC board	<ul style="list-style-type: none"> Connector check (CN304, CN319, CN320, CN331) Board check
IMG board	<ul style="list-style-type: none"> Connector check (CN426, CN423, CN424, CN426) Board check
Switching regulator	<ul style="list-style-type: none"> Connector check (CN403)
Harness	<ul style="list-style-type: none"> Connector check Harness check

Replace parts	Remarks
LGC board	If the problem is not corrected with the replacement of the LGC board, reinstall the removed LGC board and replace the IMG board.
IMG board	If the problem is still not corrected with the replacement of the IMG board, reinstall it and ask a specialist to repair it. (Abnormal ID)

[C963] Connection detection error between the IMG board and the LGC board

Classification	Error item
Circuit related service call	3.3V output from the IMG board not detected on the LGC board

Step	Check Item	Result	Measure	Next Step
1	LGC board		Connector check (CN319, CN320)	
2	IMG board		Connector check (CN423, CN424, CN426)	
3	Harness between the IMG board and the LGC board		Harness check	
4	Harness between the IMG board and the low-voltage power supply		Harness check	

Check item	Measures
Harness between the IMG board and the LGC board	
LGC board	If the problem is not corrected by the replacement of the LGC board, reinstall the removed LGC board and replace the IMG board.
IMG board	If the problem is not still corrected by the replacement of the IMG board, reinstall it and ask a specialist to repair it. (Abnormal ID)
Harness between the IMG board and the low-voltage power supply	

[C9E0] Connection error between the SLG board and the SYS board

Classification	Error item
Circuit related service call	Connection error between the SLG board and the SYS board

Check item	Measures
SLG board	<ul style="list-style-type: none"> • Connector check (CN12) • Board check
IMG board	<ul style="list-style-type: none"> • Connector check (CN421, CN422) • Board check
SYS board	<ul style="list-style-type: none"> • Connector check (CN135) • Board check

Replace parts	Remarks
SLG board	If the problem is not corrected with the replacement of the SLG board, reinstall the removed SLG board and replace the IMG board.
IMG board	If the problem is still not corrected with the replacement of the IMG board, reinstall the removed IMG board and replace the SYS board.
SYS board	

[F090] SRAM abnormality on the SYS board

Classification	Error item
Circuit related service call	SRAM abnormality on the SYS board

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Turn the power OFF and start up the Setting Mode (08). 2. When "SRAM REQUIRES INITIALIZATION" is displayed on the LCD, check the destination and then press the [START] button. If the destination is not correct, key in the correct one and then press the [START] button. 3. After the confirmation message is displayed on the LCD, press the [INTERRUPT] button (to initialize the SRAM). 4. Perform the panel calibration (08-9050). 5. Enter the serial number (08-9601). Be sure that the serial number is the same as that on the identification label attached on the rear cover of the equipment. 6. Initialize the NIC information (08-9083). 7. Turn the power OFF and then start up with the Adjustment mode (05). 8. Perform "Data transfer of characteristic value of scanner" (05-3203). 9. Perform "Automatic gamma adjustment" <PRC> (05-7869) (using [4] [FAX] test pattern). 10. Perform "Automatic gamma adjustment" <PRT (600dpi)> (05-8008) (using [70] [FAX] test pattern). 11. Perform "Automatic gamma adjustment" <PRT (1200dpi)> (05-8009) (using [230] [FAX] test pattern). 12. Turn the power OFF and then back ON. If the error is not recovered, replace the SRAM on the SYS board.

Replace parts	Remarks
SRAM (SYS board)	

[F350] SLG board abnormality

Classification	Error item
Circuit related service call	SLG board abnormality

Check item	Measures
SLG board	<ol style="list-style-type: none"> 1. Check if the conductor pattern on the SLG board is short circuited or open circuited. 2. If there is no problem found in the check (1) above, check the combination of the firmware version of the system ROM, engine ROM and scanner ROM. Reinstall the scanner ROM firmware. 3. If an error occurs after step (2) above has been performed, replace the SLG board.

Replace parts	Remarks
SLG board	If an error occurs after step (2) above has been performed, replace the SLG board.

[F400] SYS board cooling fan abnormality

Classification	Error item
Circuit related service call	SYS board cooling fan abnormality

Check item	Measures
SYS board cooling fan	<ul style="list-style-type: none"> • Fun check • Connector check • Harness check
SYS board	<ul style="list-style-type: none"> • Connector check (CN126) • Board check

Replace parts	Remarks
SYS board cooling fan	
SYS board	

8.3.19 Laser optical unit related service call

[CA10] Polygonal motor abnormality

Classification	Error item
Laser optical unit related service call	The polygonal motor is not rotating normally.

Check item	Measures
Polygonal motor Laser optical unit	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-103) • Connector check (CN207) • Harness check
Laser unit cooling fan (front)	<ul style="list-style-type: none"> • Fan motor check (Perform the output check: 03-437) • Connector check • Harness check • Check if the suction areas of the laser unit cooling fan (front) and the laser unit cooling fan (rear) are plugged up.
Laser unit cooling fan (rear)	<ul style="list-style-type: none"> • Fan motor check (Perform the output check: 03-439) • Connector check • Harness check
Polygonal motor	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-103) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN329) • Board check
Other	<ul style="list-style-type: none"> • Perform the troubleshooting procedures for when an image control related/process related service call or an image failure occurs.

Replace parts	Remarks
Polygonal motor	
Laser unit cooling fan (front)	
Laser unit cooling fan (rear)	
LGC board	
Laser optical unit.	

[CA20] H-Sync detection error

Classification	Error item
Laser optical unit related service call	H-Sync signal detection PC board cannot detect laser beams.

Check item	Measures
Laser optical unit.	<ul style="list-style-type: none"> Connector check (relay connector CN212) Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN321, CN326) <LGC Board Side> <LSU Side> CN321 : SNS board CN326 : LDR-Y board +5V check (CN302 - 7pin) Check should be performed after the front cover and ADU are closed. Board check
Other	<ul style="list-style-type: none"> Check if the equipment is grounded.

Replace parts	Remarks
LGC board	
Laser optical unit	

[CF90] Laser optical unit shutter abnormality

Classification	Error item
Laser optical unit related service call	

Check item	Measures
Shutter motor (M38) Shutter	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-201) Connector check (CN213, CN214) Harness check Shutter plate check
Shutter sensor (home position) (S24)	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[ALL]OFF/[7]/[E]) Connector check Harness check
Shutter sensor (end position) (S25)	<ul style="list-style-type: none"> Sensor check (Perform the input check: 03-[ALL]OFF/[7]/[D]) Connector check Harness check
LGC board	<ul style="list-style-type: none"> Connector check (CN327) +5V check (CN345-21pin) Board check
Other	<ul style="list-style-type: none"> Check if the equipment is grounded.

Replace parts	Remarks
Shutter motor	
Shutter sensor (home position)	
Shutter sensor (end position)	
LGC board	

[CA47] SNS board abnormality

Classification	Error item
Laser optical unit related service call	The SNS board does not operate due to disconnection or the harness breaking.

Check item	Measures
Relay connector	<ul style="list-style-type: none"> Connector check (J212)
LGC board	<ul style="list-style-type: none"> Connector check (CN321) Board check

Replace parts	Remarks
LGC board	
Laser optical unit	

[CFA0] Media sensor output abnormality before paper reaching

[CFA1] Media sensor output abnormality during paper passing

Classification	Error item
Paper transport service call	<p>The sensor output value before paper is reached to the media sensor is not normal. (CFA0)</p> <p>The sensor output value while paper is being passed is not normal. (CFA1)</p>

Step	Measures
1	If these codes are recorded in the error history, the media sensor may have a malfunction. In this case check the following:
2	Is the connector of the media sensor disconnected or is any harness open circuited?
3	Are the arm of the media sensor and the bearing rollers operating properly?
4	Is the media sensor adjusted correctly? 6.7.1 Adjustment of the media sensor position
5	<p>If any abnormality was found in step 3 above or no abnormality was found in steps 2 and 4, replace the media sensor.</p> <p>Note that printing is available even if the media sensor is in a faulty condition. The functions that the media sensor usually performs are then carried out as follows:</p> <p>If the media type of paper is set as plain paper, a media type (plain paper 1 or 2) set in advance in the code below will be used.</p> <p>08-4599</p> <p>0: Plain paper 1 1: Plain paper 2 (Factory default - JPD: 0, overseas: 1)</p> <p>Media type setting checking function will be disabled.</p> <p>Even if the media sensor is in a faulty condition, any message notifying this will not be appear. Check the condition with the error history.</p>

Replace parts	Remarks
Media sensor (S69)	

8.3.20 Finisher related service call

[CB00] Finisher not connected

[CB01] Finisher communication error

Classification	Error item
Finisher related service call	Communication error has occurred between the equipment and finisher. [MJ-1103/1104]

Check item	Measures
Harness (MFP - Finisher)	<ul style="list-style-type: none"> Connector check Harness check
Finisher control board	<ul style="list-style-type: none"> Connector check Board check
F/W	Update the finisher firmware.
F/W	Update the Converter firmware.
LGC board	<ul style="list-style-type: none"> Connector check Board check

Replace parts	Remarks
Finisher control board	
LGC board	

[CB10] Entrance motor abnormality

Classification	Error item
Finisher related service call	The entrance motor is not rotating normally. [MJ-1103/1104]

Check item	Measures
Entrance roller	<ul style="list-style-type: none"> Is there any mechanical problem when the entrance roller is rotated?
Entrance motor (M1)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher control board	<ul style="list-style-type: none"> Connector check (CN7) Board check

Replace parts	Remarks
Entrance motor	
Finisher control board	

[CB11] Buffer tray guide motor abnormality

Classification	Error item
Finisher related service call	The buffer tray guide motor is not rotating or the buffer tray guide is not moving normally. [MJ-1103/1104] You receive a [CB11] error when the [ED16] error occurs three times in succession.

Check item	Measures
Buffer tray guide	<ul style="list-style-type: none">• Is there any mechanical problem when the buffer tray guide is opened/closed while the buffer roller is lifted up?
Buffer tray guide motor (M3).	<ul style="list-style-type: none">• Motor check• Connector check• Harness check
Finisher control board	<ul style="list-style-type: none">• Connector check (CN11)• Board check

Replace parts	Remarks
Buffer tray guide motor.	
Finisher control board	

[CB12] Buffer roller drive motor abnormality

Classification	Error item
Finisher related service call	The buffer roller drive motor is not rotating or the buffer roller is not moving normally. [MJ-1103/1104]

Check item	Measures
Buffer roller	<ul style="list-style-type: none">• Is there any mechanical problem when the buffer roller is rotated?
Buffer roller drive motor (M4).	<ul style="list-style-type: none">• Motor check• Connector check• Harness check
Finisher control board	<ul style="list-style-type: none">• Connector check (CN11)• Board check

Replace parts	Remarks
Buffer roller drive motor	
Finisher control board	

[CB13] Finisher exit motor (M11) abnormality

Classification	Error item
Finisher related service call	

Check item	Measures
Exit roller	<ul style="list-style-type: none">• Is there any mechanical problem when the exit roller is rotated?

Check item	Measures
Exit motor (M11).	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN13) • Board check

Replace parts	Remarks
Exit motor	
Finisher control board	

[CB14] Paper pusher arm motor (M10) abnormality

Classification	Error item
Finisher related service call	

Check item	Measures
Paper pusher cam	<ul style="list-style-type: none"> • Is there any mechanical problem when the paper pusher cam is rotated?
Assist arm motor (M10)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN13) • Board check

Replace parts	Remarks
Assist arm motor	
Finisher control board	

[CB30] Movable tray shift motor abnormality

Classification	Error item
Finisher related service call	The movable tray shift motor is not rotating or the movable tray is not moving normally. [MJ-1103/1104]

Check item	Measures
Movable tray	<ul style="list-style-type: none"> • Is there any mechanical problem when the movable tray is moved?
Movable tray shift motor (M12)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Movable tray position-A/-B/-C sensor (S13, S14, S15)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN8) • Board check

Replace parts	Remarks
Movable tray shift motor	

Replace parts	Remarks
Movable tray position-A/-B/-C sensor	
Finisher control board	

[CB31] Movable tray paper-full detection error

Classification	Error item
Finisher related service call	The actuator of the movable tray paper-full detection sensor does not move smoothly. [MJ-1103/1104]

Check item	Measures
Movable tray paper-full detection sensor (S16)	<ul style="list-style-type: none"> Is there any mechanical problem when the actuator of the movable tray paper-full detection sensor (S16) is moved? Connector check Harness check
Movable tray position-A/-B/-C sensor (S13, S14, S15)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Finisher control board	<ul style="list-style-type: none"> Connector check (CN12) Board check

Replace parts	Remarks
Movable tray paper-full detection sensor	
Movable tray position-A/-B/-C sensor	
Finisher control board	

[CB40] Front alignment motor abnormality

Classification	Error item
Finisher related service call	The front alignment motor is not rotating or the front alignment plate is not moving normally. [MJ-1103/1104] You receive a [CB40] error when the [ED13] error occurs three times in succession.

Check item	Measures
Alignment plate	<ul style="list-style-type: none"> Is there any mechanical problem when the front alignment plate is moved?
Front alignment motor (M9)	<ul style="list-style-type: none"> Connector check Harness check
Finisher control board	<ul style="list-style-type: none"> Connector check (CN10) Board check

Replace parts	Remarks
Front alignment motor	
Finisher control board	

[CB50] Stapler home position error

Classification	Error item
Finisher related service call	The stapler home position sensor does not work. [MJ-1103/1104] You receive a [CB50] error when the [EA50] error occurs three times in succession.

Check item	Measures
Stapler	<ul style="list-style-type: none"> • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN2) • Board check

Replace parts	Remarks
Stapler	
Finisher control board	

[CB51] Stapler shift home position error

Classification	Error item
Finisher related service call	The stapler is not at the home position. [MJ-1103/1104]

Check item	Measures
Stapler	<ul style="list-style-type: none"> • Is there any mechanical problem when the stapler is moved? • Connector check • Harness check
Stapler unit home position sensor (S10)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Stapler unit shift motor (M4)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN1, CN5) • Board check

Replace parts	Remarks
Stapler	
Stapler unit home position sensor	
Stapler unit shift motor	
Finisher control board	

[CB60] Stapler unit shift motor abnormality

Classification	Error item
Finisher related service call	Stapler shift motor is not rotating or staple unit is not moving normally. [MJ-1103/1104]

Check item	Measures
Stapler	<ul style="list-style-type: none"> • Is there any mechanical problem when the stapler is moved? • Connector check • Harness check
Stapler unit shift motor (M4)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Finisher control board	<ul style="list-style-type: none"> • Connector check (CN1, CN5) • Board check

Replace parts	Remarks
Stapler	
Stapler unit shift motor	
Finisher control board	

[CB80] Backup RAM data abnormality

Classification	Error item
Finisher related service call	Abnormality of checksum value on finisher controller PC board is detected when the power is turned ON

Check item	Measures
Equipment	<ul style="list-style-type: none"> • Is the error recovered when the power of the equipment is turned OFF and then back ON?
Finisher control board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Finisher control board	

[CB81] Flash ROM abnormality

Classification	Error item
Finisher related service call	Abnormality of checksum value on finisher controller PC board is detected when the power is turned ON. [MJ-1103/1104]

Check item	Measures
Equipment	<ul style="list-style-type: none"> • Is the error recovered when the power of the equipment is turned OFF and then back ON?
Finisher control board	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Finisher control board	

[CB82] Finisher main program error

Classification	Error item
Finisher related service call	

Check item	Measures
Finisher control board	<ul style="list-style-type: none"> • Update the firmware version of the finisher control PC board (FIN). • Connector check • Board check

Replace parts	Remarks
Finisher control board	

[CB83] Saddle main program error

Classification	Error item
Finisher related service call	

Check item	Measures
Saddle control PC board	<ul style="list-style-type: none"> • Update the firmware version of the saddle control PC board (SDL). • Connector check • Board check

Replace parts	Remarks
Saddle control PC board	

[CB84] Punch unit main program error

Classification	Error item
Finisher related service call	

Check item	Measures
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Is the firmware version of the PNC board (HP) latest? • Connector check • Board check

Replace parts	Remarks
Hole punch control PC board	

[CB91] Saddle flash ROM abnormality

Classification	Error item
Finisher related service call	

Check item	Measures
Saddle controller PC board (SDL)	<ul style="list-style-type: none"> • Check if the conductor pattern on the saddle controller PC board (SDL) is open circuited or short circuited. • Connector check • Board check

Replace parts	Remarks
Saddle controller PC board	

[CB92] Saddle Stitch Finisher RAM abnormality

Classification	Error item
Finisher related service call	

Check item	Measures
Saddle controller PC board (SDL)	<ul style="list-style-type: none"> • Check if the conductor pattern on the saddle controller PC board (SDL) is open circuited or short circuited. • Connector check • Board check

Replace parts	Remarks
Saddle controller PC board	

[CB93] Saddle Stitch Finisher additional folding motor abnormality

Classification	Error item
Finisher related service call	The [CB93] error also occurs when the error [EF18] has occurred consecutively for 3 times.

Check item	Measures
Additional folding carrierr	<ul style="list-style-type: none"> • Is there any mechanical problem when the additional folding carrier is moved? • Connector check • Harness check
Additional folding motor (M20)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Saddle control PC board (SDL)	<ul style="list-style-type: none"> • Connector check (CN18) • Board check

Replace parts	Remarks
Additional folding motor	
Saddle control PC board	

[CB94] Saddle transport motor abnormality

Classification	Error item
Finisher related service call	The [CB94] error also occurs when the error [EAB0] or [EF13] has occurred consecutively for 3 times.

Check item	Measures
Transport roller	<ul style="list-style-type: none"> Is there any mechanical problem when the transport rollers are rotated?
Saddle transport motor (M16)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Saddle control PC board (SDL)	<ul style="list-style-type: none"> Connector check (CN18) Board check

Replace parts	Remarks
Saddle transport motor	
Saddle control PC board	

[CB95] Saddle Stitch Finisher stacker motor abnormality

Classification	Error item
Finisher related service call	The [CB95] error also occurs when the error [EF16] has occurred consecutively for 3 times.

Check item	Measures
Stacker carrier	<ul style="list-style-type: none"> Is there any mechanical problem when the stacker carrier is moved?
Stacker motor (M14)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Saddle control PC board (SDL)	<ul style="list-style-type: none"> Connector check (CN4) Board check

Replace parts	Remarks
Stacker motor	
Saddle control PC board	

[CBA0] Stitch motor (front) abnormality**[CBB0] Stitch motor (rear) abnormality**

Classification	Error item
Finisher related service call	Stitch motor (front) is not rotating or rotary cam is not moving normally. [MJ-1103/1104](CBA0) Stitch motor (rear) is not rotating or rotary cam is not moving normally. [MJ-1103/1104](CBB0)

Check item	Measures
Front stitcher/ Rear stitcher	<ul style="list-style-type: none"> • Are the front and rear stitchers and their stands installed properly?
Stitcher home position switch (SW7/ SW5)	<ul style="list-style-type: none"> • Switch check • Connector check • Harness check
Stitcher motor (M7/M6)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Saddle control PC board (SDL)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Stitcher home position switch	
Stitcher motor	
Saddle control PC board	

[CBC0] Alignment motor abnormality

Classification	Error item
Finisher related service call	Alignment motor is not rotating or aligning plate is not moving normally. [MJ-1103/1104]

Check item	Measures
Alignment plate home position sensor (P15)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Alignment motor (M5)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Alignment plate drive mechanism	<ul style="list-style-type: none"> • Is the alignment plate drive mechanism normal?
Saddle control PC board (SDL)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Alignment plate home position sensor	
Alignment motor	
Saddle control PC board	

[CBE0] Paper folding motor abnormality

Classification	Error item
Finisher related service call	Paper folding motor or paper folding roller is not rotating normally. [MJ-1103/1104]

Check item	Measures
Paper folding motor clock sensor (PI4)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Paper folding home position sensor (PI21)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Paper folding motor (M2)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Paper folding roller drive mechanism	<ul style="list-style-type: none"> • Is the paper folding roller drive mechanism normal?
Saddle control PC board (SDL)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Paper folding motor clock sensor	
Paper folding home position sensor	
Paper folding motor	
Saddle control PC board	

[CC20] Communication error between finisher and saddle stitcher

Classification	Error item
Finisher related service call	Communication error between finisher controller PC board and saddle stitcher controller board [MJ-1103/1104]

Check item	Measures
Equipment	<ul style="list-style-type: none"> • Is the problem solved by turning OFF and ON the power switch of the equipment?
Finisher control PC board (FIN)	<ul style="list-style-type: none"> • Connector check • Board check
Saddle control PC board (SDL)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Finisher control PC board	
Saddle control PC board	

[CC30] Stack transport motor abnormality

Classification	Error item
Finisher related service call	The stack transport motor is not rotating or the stack transport belt is not moving normally. [MJ-1103/1104] You receive a [CC30] error when the [EA70] error occurs three times in succession.

Check item	Measures
Stack transport belt	<ul style="list-style-type: none"> Is there any mechanical problem when the stack transport belt is moved?
Stack transport motor (M5)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> Connector check (CN10) Board check

Replace parts	Remarks
Stack transport motor	
Finisher control PC board	

[CC31] Transport motor abnormality

Classification	Error item
Finisher related service call	<p>The transport motor is not rotating or the stack transport roller -1 and -2 is not rotating normally. [MJ-1103/1104] You receive a [CC31] error when the [ED12] error occurs three times in succession.</p>

Check item	Measures
Stack transport roller-1/-2	<ul style="list-style-type: none"> Is there any mechanical problem when the stack transport roller -1 and -2 are rotated?
Transport motor (M7)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> Connector check (CN5) Board check

Replace parts	Remarks
Transport motor (M7)	
Finisher control PC board	

[CC41] Paper holder cam home position abnormality

Classification	Error item
Finisher related service call	<p>The paper holder cam is not at the home position. [MJ-1103/1104]</p>

Check item	Measures
Paper holder cam	<ul style="list-style-type: none"> Is there any mechanical problem when the paper holder cam is rotated?
Paper holder home position sensor (S6)	<ul style="list-style-type: none"> Sensor check Connector check Harness check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> Connector check (CN17) Board check

Replace parts	Remarks
Paper holder home position sensor	
Finisher control PC board	

[CC51] Sideways adjustment motor (M2) abnormality

Classification	Error item
Finisher related service call	Sideways adjustment motor is not rotating or puncher is not shifting normally. [MJ-6102] The [CC51] error will be displays when the [ED11] error occurs three times in succession or during the initial operation.

Check item	Measures
Sideways adjustment motor (M2)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Sideways deviation home position sensor (S3)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Sideways adjustment motor	
Sideways deviation home position sensor	
Hole punch control PC board	

[CC52] Skew adjustment motor (M1) abnormality

Classification	Error item
Finisher related service call	Skew adjustment motor is not rotating or puncher is not shifting normally. [MJ-6102] The [CC52] error will be displays when the [ED10] error occurs three times in succession or during the initial operation.

Check item	Measures
Skew adjustment motor (M1)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Skew home position sensor (S2)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Skew adjustment motor	
Skew home position sensor	
Hole punch control PC board	

[CC60] Punch motor abnormality

Classification	Error item
Finisher related service call	Punch motor is not rotating or puncher is not shifting normally. [MJ-6102]

Check item	Measures
Punch home position sensor (PI63)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Punch motor clock sensor (PI62)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Punch motor (M3)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Connector check • Board check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Punch home position sensor	
Punch motor clock sensor	
Punch motor	
Hole punch control PC board	
Finisher control PC board	

[CC61] Punch motor (M3) home position detection error

Classification	Error item
Finisher related service call	Punch motor is not rotating or puncher is not shifting normally. [MJ-6102]

Check item	Measures
Punch motor (M3)	<ul style="list-style-type: none"> • Motor check • Connector check • Harness check
Punch home position sensor (S4)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Connector check • Board check

Replace parts	Remarks
Punch motor	
Punch home position sensor	
Hole punch control PC board	

[CC71] Punch ROM checksum error

[CC72] Punch RAM read/write error

[CC73] Punching device power supply abnormality

[CC74] Transport pulse abnormality

Classification	Error item
Finisher related service call	Abnormality of checksum value on Hole punch controller PC board is detected when the power is turned on. (CC71) [MJ-6102] Abnormality of checksum value on Hole punch controller PC board is detected when the power is turned on. (CC72) [MJ-6102]

Check item	Measures
Hole punch control PC board (HP)	<ul style="list-style-type: none"> Download the latest version of the PNC board (HP) firmware again and then check its operation. Connector check Board check

Replace parts	Remarks
Hole punch control PC board	

[CC80] Rear alignment motor abnormality

Classification	Error item
Finisher related service call	The rear alignment motor is not rotating or the rear alignment plate is not moving normally. [MJ-1103/1104] You receive a [CC80] error when the [ED14] error occurs three times in succession.

Check item	Measures
Rear alignment plate	<ul style="list-style-type: none"> Is there any mechanical problem when the rear alignment plate is moved?
Rear alignment motor (M10)	<ul style="list-style-type: none"> Motor check Connector check Harness check
Finisher control PC board (FIN)	<ul style="list-style-type: none"> Connector check (CN17) Board check

Replace parts	Remarks
Rear alignment motor	
Finisher control PC board	

[CDE0] Rear alignment motor abnormality

Classification	Error item
Finisher related service call	The paddle motor is not rotating or the paddle is not rotating normally. [MJ-1103/1104] You receive a [CDE0] error when the [ED15] error occurs three times in succession or during the initial operation.

Check item	Measures
Paddle	<ul style="list-style-type: none">Is there any mechanical problem with the paddle is rotated?
Paddle motor (M8)	<ul style="list-style-type: none">Motor checkConnector checkHarness check
Finisher control PC board (FIN)	<ul style="list-style-type: none">Connector check (CN6)Board check

Replace parts	Remarks
Paddle motor	
Finisher control PC board	

[CE00] Communication error between finisher and punch unit

Classification	Error item
Finisher related service call	Communication error between finisher controller PC board and punch controller PC board. [MJ-1103/1104 (when MJ-6102 is installed)]

Check item	Measures
Hole punch control PC board (HP)	<ul style="list-style-type: none">Connector checkBoard check
Finisher control PC board (FIN)	<ul style="list-style-type: none">Connector checkBoard check

Replace parts	Remarks
Hole punch control PC board	
Finisher control PC board	

[CF10] Communication module SRAM reading failure

Classification	Error item
Finisher related service call	

Check item	Measures
Equipment	<ul style="list-style-type: none">Is the error recovered when the power of the equipment is turned OFF and then back ON?
Setting	<ul style="list-style-type: none">Check if the MJ-1103/1104 is set as the specified finisher on the equipment. (08-4548="1")

Check item	Measures
Finisher control PC board (FIN)	<ul style="list-style-type: none"> • Connector check • Board check
Hole punch control PC board (HP)	<ul style="list-style-type: none"> • Connector check (when MJ-6102 is installed) • Board check

Replace parts	Remarks
Finisher control PC board	
Hole punch control PC board	(when MJ-6102 is installed)

8.3.21 Image control related service call

1. Based on the procedure of [CE10], [CE20] and [CE40] described below, check the status and take appropriate actions. And then perform the forced performing of image quality control initialization to the following procedure.
 1. While pressing [0] and [5] simultaneously, turn ON the power.
 2. Key in [2742], and then press the [START] button. Confirm that the image quality control has finished normally.
2. After confirming the items in (1), clear the abnormal detection counter of image quality control.
 1. While pressing [0] and [8] simultaneously, turn ON the power.
 2. Key in [2528], and then press the [START] button.
 3. Rewrite the displayed status counter from "1" - "16" to "0", and then press the [OK] or [INTERRUPT] button.
 4. Key in [2529], and then press the [START] button.
 5. Rewrite the displayed status counter from "1" - "16" to "0", and then press the [OK] or [INTERRUPT] button.
 6. Key in [2530], and then press the [START] button.
 7. Rewrite the displayed status counter from "1" - "16" to "0", and then press the [OK] or [INTERRUPT] button.
 8. Key in [2531], and then press the [START] button.
 9. Rewrite the displayed status counter from "1" - "16" to "0", and then press the [OK] or [INTERRUPT] button.
 10. Turn the power OFF and then back ON. Make sure that the equipment enters the normal ready state.

[CA00] Color registration abnormality

Classification	Error item
Image control related service call	

Step	Check item	Result	Measures	Next step
< Invalidating image position alignment control >				
1			[0] [8] Power ON	
2			[4546] [START]	
3			Set the value to "0" (not performed automatically).	
4			Power OFF	
< Checking the abnormal status on image position alignment >				
5			[0] [5] Power ON	
6			[4720] [START]	

Step	Check item	Result	Measures	Next step
7			<p>Press the [START] button again, then check the displayed value. (05-4720-0: Displaying the cause of image position alignment detection error front and rear sides.)</p> <p>When the error [CA00] occurs, the value between 1 and 255 is displayed. (0: Detection normality on the front and rear sides) (The statues of total 8 sections (4 colors on the front and rear sides) are displayed.)</p> <p>1 :Y on the rear side detection abnormality (*1) 2 : Y on the front side detection abnormality (*1) 3 : Y on the front and rear sides detection abnormality 4 : M on the rear side detection abnormality (*1) 8 : M on the front side detection abnormality (*1) 12 : M on the front and rear sides detection abnormality 16 : C on the rear side detection abnormality (*1) 32 : C on the front side detection abnormality (*1) 48 : C on the front and rear sides detection abnormality 64 : K on the rear side detection abnormality (*1) 85 : All colors on the rear side detection abnormality → (I) 128: K on the front side detection abnormality (*1) 170: All colors on the front side detection abnormality → (I) 192: K on the front and rear sides detection abnormality 255: All colors on the front and rear sides detection abnormality → (I) Other than the above: Multiple colors detection abnormality (*2) The adjustment value is the sum of (*1), which, as in the example below, specifies the cause of the detection abnormality. (E.g. 1) 05-4720-0 --- in case of 72 72 = 64 + 8 → K on the rear side / M on the front side detection abnormality (E.g. 2) 05-4720-0 --- in case of 146 146 = 128 + 18 = 128 + 16 + 2 → K on the front side / C on the rear side / Y on the front side detection abnormality</p>	
8			Press the [START] button	
9			After [1] is pressed, then press the [START] button.	

Step	Check item	Result	Measures	Next step
10			<p>Check the displayed value. (05-4720-1: Displaying the cause of image position alignment detection error center side.) When the error [CA00] occurs, the value between 1 and 85 is displayed. (0: Detection normality on the center side) (The statues of total 4 sections (4 colors on the front and rear sides) are displayed.) 1 : Y on the center side detection abnormality (*3) 4 : M on the center side detection abnormality (*3) 16 : C on the center side detection abnormality (*3) 64 : K on the center side detection abnormality (*3) 85 : All colors on the center side detection abnormality → (I) Other than the above: Multiple colors detection abnormality (*4) The adjustment value is the sum of (*3), which, as in the example below, specifies the cause of the detection abnormality. (E.g. 1) 05-4720-1 --- in case of 65 65 = 64 + 1 → K on the center side / Y on the center side detection abnormality</p>	
11			If the adjustment value fits (I) in step 7 or 10, proceed to step (12). In other cases, proceed to step (30).	
<p>< Checking the status of the image position aligning sensor > Check if the light emitting area of the image position aligning sensor emits LEDs and if the reflected lights on the transfer belt surface are detected by the light receiving area of the image position aligning sensor.</p>				
12			[0] [3] Power ON	
13			[START]	
14			Check how items [G] and [H] are displayed while [8] is pressed.	
15			Check how items [G] is displayed while [9] is pressed.	
16			Press the [CLEAR] button.	
17			Key in "118", then press the [START] button. (03-118: Sensor shutter is opened)	
18			Key in "117", then press the [START] button. (03-117: Image position aligning sensor / LED ON)	
19			Press the [START] button.	
20			Check how items [G] and [H] are displayed while [8] is pressed.	

Step	Check item	Result	Measures	Next step
21	Compare them with the statues of [G] and [H] displayed in step 14.		<ul style="list-style-type: none"> • Both [G] and [H] are changed - The image position aligning sensors on both sides are operating normally. • [G] remains same - The image position aligning sensor on the rear side is not operating normally. • [H] remains same - The image position aligning sensors on the front side is not operating normally. • Both [G] and [H] remains same - The image position aligning sensors on both sides are not operating normally. 	
22			Check how item [G] is displayed while [9] is pressed.	
23	Compare it with the statue of [G] displayed in step 15.		<ul style="list-style-type: none"> • [G] is changed - The image position aligning sensor on the center side is operating normally. • [G] remains same - The image position aligning sensor on the center side is not operating normally. 	
24			Press the [CLEAR] button.	
25			Key in "167", then press the [START] button. (03-167: Image position aligning sensor / LED OFF)	
26			Key in "168", then press the [START] button. (03-168: Sensor shutter closed)	
27			Turn the power OFF.	
28			If the image position aligning sensors on all sides are operating normally, proceed to step (30). In other cases, proceed to step (29).	

Step	Check item	Result	Measures	Next step
29	Check the following items if the image position aligning sensors are not operating normally:	Normal	<p>Is the connector CN307 on the LGC board disconnected?</p> <p>Is the connector of the image position aligning sensor disconnected?</p> <p>Is the harness between the LGC board and the image position aligning sensor broken?</p> <p>Is the light emitting or receiving area of the image position aligning sensor stained with toner?</p> <p>Are the sensor shutter and the image quality sensor opening or closing normally? Or are they damaged?</p> <p>Is the light emitting area of the image position aligning sensor emitting LEDs?</p> <p>< Checking procedure for the sensor shutter opening/closing status ></p> <ol style="list-style-type: none"> 1. Take off the transfer belt unit so that the sensor unit can be seen. 2. Turn the power ON while [0] and [3] are pressed simultaneously. 3. The shutter should be opened when "118" is keyed in. It should be closed when "168" is keyed in. <p>< Checking procedure for the LED emission of the image position aligning sensor ></p> <ol style="list-style-type: none"> 1. Key in "118" to open the sensor shutter. 2. The light emitting area of the sensor should emit LEDs when "117" is keyed in. 	30
		Abnormal	<ol style="list-style-type: none"> 1. Reconnect the connector. 2. Replace the harness. 3. Clean the light emitting and receiving areas of the image position aligning sensor. 4. If the sensor shutter is damaged, replace it. If the sensor shutter solenoid is not operating normally, replace the solenoid. 	12
< Checking with test pattern >				
30			Turn the power ON while [0] and [4] are pressed simultaneously.	
31			Key in "220", then press the [START] button.	
32			Select "C", "M", "Y" or "K", then press the [START] button.	
33			Press the [CLEAR] button after one sheet of test pattern has been exited.	

Step	Check item	Result	Measures	Next step
34	Check if the printed image of the test pattern in each color contains difference in density on its front, center and rear sides, or if there is any image trouble in a whole image.		<p>Is the test pattern printed in blank? Check if the laser shutter is operating normally. < Checking procedure for the laser shutter opening/closing status > 1. Take off the developer unit so that the laser shutter can be seen. * Clean around the laser shutter if the toner or developer material is spilled over. 2. Turn the power ON while [0] and [3] are pressed simultaneously. 3. Key in "201". (03-201: Laser shutter opening/closing status) 4. Press the [START] button and check if the shutter is opened and then closed (reciprocating 1cycle). Abnormal: If the laser shutter is not opening or closing normally, check the shutter and correct it if necessary. Normal: Is the image of the test pattern printed normally without any difference in density on its front, center and rear sides? NO:1. Check the contacting status of the transfer belt and the photoconductive drum. 2. Check the amount of the developer material. (Check if the developer material is supplied on the developer sleeve.) Is the image printed normally without yellow, magenta, cyan or black streaks in the secondary scanning direction? Check if the main charger wire corresponding to the color of the streaks is stained. Is the image printed normally without white streaks in the secondary scanning direction? Check if the slit glass of the laser optical unit is stained.</p>	30

Step	Check item	Result	Measures	Next step
34			<p>Is a certain color in the printed image turned to black solid?</p> <p>Abnormal</p> <p>Abnormality in the main high-voltage transformer corresponding to the color or abnormality in the laser optical unit.</p> <p>Replace one of 4 main high-voltage transformers which possibly contains abnormality, and also the one possibly normal.</p> <p>Then print the same test pattern.</p> <p>If the color which turned into black solid changes along with the replacement of the main high-voltage transformer, this main high-voltage transformer is defined as abnormal.</p> <p>If the color which turned into black solid does not change, check if the harness between the LGC board and the main high-voltage transformer is broken or if the power is sufficiently supplied to the main charger (breaking of the high-voltage harness or connection defect). If no problem is found, check the laser optical unit.</p>	30
<Checking with the enforced image position adjustment >				
35			Turn the power ON while [0] and [5] are pressed simultaneously.	
36			<p>Key in "4719", then press the [START] button.</p> <p>(05-4719: Enforced position adjustment)</p> <p>Does the error [CA00] occur during the position adjustment control?</p>	<p>YES →5</p> <p>NO →37</p>
< Validating the image position alignment control > Check the operation and correct if necessary. Then be sure to perform the following:				
37			[0] [8] Power ON	
38			[4546] [START]	
39			Set the value to "5" (performed automatically).	
40			Power OFF	
<Checking the image position aligning sensor>				
41			Clean the image position aligning sensor (S20/S21/S22).	
<Checking the power supply>				
42			Check if any of the springs for supplying power to the transfer belt unit is deformed. Replace the spring if it is deformed.	

Replace parts	Remarks

[CE10] Image quality sensor abnormality (OFF level)

Classification	Error item
Image control related service call	The output value of this sensor is out of a specified range when sensor light source is OFF.

Check item	Measures
Image quality sensor (S23)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN307) • 12V check (CN301-9pin) • Harness check
Switching regulator	<ul style="list-style-type: none"> • 12V check • Harness check

Replace parts	Remarks
Image quality sensor	
Switching regulator	
LGC board	

[CE20] Image quality sensor abnormality (no pattern level)

Classification	Error item
Image control related service call	The output value of this sensor is out of a specified range when the image quality control test pattern is not formed.

Step	Check item	Result	Measures	Next step
1	<p>Is the transfer belt or the transfer belt unit securely installed?</p> <p>Are there any abnormal stains (cleaning defects), large scratches or breaking on the transfer belt surface?</p> <p>Are the drum and the transfer belt rotating?</p>	<p>YES</p> <p>NO</p>	<p><Checking procedure></p> <ol style="list-style-type: none"> 1. Check if the transfer belt unit is securely installed. Correct it if not. 2. Check if any toner image remains on the transfer belt surface. If any, check the installation status of the TBU cleaner unit. If there is any abnormality, correct it, and clean the transfer belt. 3. Check if the drum and the transfer belt are properly operated. <ul style="list-style-type: none"> - Drum motor-K: ON/03-110, OFF/03-160 - Drum motor-YMC: ON/03-111, OFF/03-161 - Transfer belt motor: ON/03-116, OFF/03-166 <p>If they are not rotating normally, check if their drive gears are damaged or if they contact the equipment. Correct it if needed.</p> <p>Proceed to step (9). (to step (5) for the second time)</p>	2

Step	Check item	Result	Measures	Next step
2	Is the sensor shutter of the image quality sensor opening or closing normally? Or is it damaged? Is the sensor surface of the image quality sensor stained with toner? If so, has it been cleaned?	YES	[4546] [START]	3
		NO	<p><Checking procedure></p> <ol style="list-style-type: none"> 1. Check if the transfer belt unit is securely installed. Correct it if not. 2. Check if any toner image remains on the transfer belt surface. If any, check the installation status of the TBU cleaner unit. If there is any abnormality, correct it, and clean the transfer belt. 3. Check if the drum and the transfer belt are properly operated. (ON: 03-101 / OFF: 03-151) If they are not rotating normally, check if their drive gears are damaged or if they contact the equipment. Correct it if needed. <p>Proceed to step (9). (to step (5) for the second time)</p>	
3	Is the connector of the image quality sensor securely connected? Is the connector CN307 on the LGC board securely connected? Is the harness between the LGC board and the image quality sensor disconnected?	YES		4
		NO	<p><Checking procedure></p> <p>Reconnect the connector. Replace the harness.</p> <p>Proceed to step (9). (to step (5) for the second time)</p>	
4	Is +12V power supply voltage normally supplied to the image quality sensor? Is +12V voltage normally output by the CN301-9pin on the LGC board?	YES		5
		NO	<p><Checking procedure></p> <ol style="list-style-type: none"> 1. Check if +12V voltage is output by the switching regulator (PS-ACC CN404-7pin). 2. Check if +12V voltage is output by the CN301-9pin on the LGC board. Check if the supply harness between the switching regulator and the LGC board is open circuited, damaged or disconnected. <p>Proceed to step (9). (to step (5) for the second time)</p>	
5	Set the values of "Image quality closed-loop control / Contrast voltage (08-2486)" and "Drum surface potential sensor control setting (08-2561)" to "0" (Invalid).			

Step	Check item	Result	Measures	Next step
6	Output the image quality control test pattern (04-270) more than one time and the list print ([9][START]) in the adjustment mode (05), and then check if the image is normal.	Normal		8
		Abnormal	Abnormal image: Blank print, Solid print, White banding, Color banding, White spots, Poor transfer, Uneven image density, Faded image (low density), Uneven light distribution, Blotched image. Blank print: including when one of the YMCK colors is not printed. Correct the abnormal image. Proceed to step (8).	
7	Replace the image quality sensor or the LGC board.			
8	Set the value of "Image quality closed-loop control / Contrast voltage (08-2486)" to "1" (Valid). For e-STUDIO6550C/6570C only, set the value of "Drum surface potential sensor control setting (08-2561)" to "2" (Enabled (Performed on K station)).			
9	Perform "Image quality closed-loop control (05-2742)" and make sure it is completed normally. (Error [CE10], [CE20] and [CE40] do not appear.) Then perform "Automatic gamma adjustment".	NO		11
		When an error occurs	Check and correct it accordingly.	
10	Reset all of the values in the codes "Abnormality detection count (Y/M/C/K) Display/0 clearing (08-2528 to 08-2531)".			

Replace parts	Remarks
Image quality sensor	

[CE40] Image quality control test pattern abnormality

Classification	Error item
Image control related service call	The test pattern is not formed normally.

Step	Check item	Result	Measures	Next step
1	Use "Image quality control abnormal detection counter Y to K display/0 clearing (08-2528 to 2531)" to check the abnormal occurring condition for each color.			
2	Check "Output value display of image quality sensor / High-density pattern (05-2731-0 to 3)" to check if the high-density pattern abnormality occurs for each color and identify the color which pattern is abnormal. If the value is 628 or above, it is defined as high-density pattern abnormality.	Under 628 (Y, M, C and K)		3
		628 or above (Y, M, C and K)	<p>High-density pattern abnormality</p> <p>Check if the laser shutter is working properly.</p> <p><Procedure></p> <ol style="list-style-type: none"> 1. Take off the process unit so that the laser shutter can be easily seen. Clean around the laser shutter if the developer has been spilled over. 2. While pressing the digital keys [0] and [3] simultaneously, turn the power ON. 3. Key in "201". 4. Press the [START] button and check if the shutter is opened and then closed (reciprocating 1cycle). <p>Check if the developer unit has been installed properly.</p> <ol style="list-style-type: none"> 1. Visually check the installation status of the developer unit, and correct it if there is any abnormality. <p>To (8) (If you have already performed this checking cycle once, proceed to step (3).)</p>	
3	Set the value of "Image quality closed-loop control / Contrast voltage (08-2486)" to "0" (Invalid). For e-STUDIO6550C/6570C only, also set the value of "Drum surface potential sensor control setting (08-2561)" to "0" (Disabled).			
4	Output the image quality control test pattern (04-270) more than one time and the list print ([9][START]) in the adjustment mode (05), and check the patch of the color identified in step (1) to see if the image is abnormal.	Normal		5
		Abnormal	<p>Abnormal image: Blank print, Solid print, White banding, Color banding, White spots, Poor transfer, Uneven image density, Faded image (low density), Uneven light distribution, Blotched image.</p> <p>Blank print: including when one of the YMCK colors is not printed.</p> <p>Correct the abnormal image.</p> <p>Proceed to step (6).</p>	
5	Replace the image quality sensor or LGC board.			

Step	Check item	Result	Measures	Next step
6	Set the value of "Image quality closed-loop control / Contrast voltage (08-2486)" to "1" (Valid). For e-STUDIO6550C/6570C only, set the value of "Drum surface potential sensor control setting (08-2561)" to "2" (Enabled (Performed on K station)).			
7	Perform "Image quality closed-loop control (05-2742)" and make sure it is completed normally. (Error [CE40] does not appear.) Then perform "Automatic gamma adjustment".	Normal When an error occurs	Check and correct it accordingly.	9
8	Clear all "Image quality control abnormal detection counter Y to K display/0 clearing (08-2528 to 2531)".			
9	Check if any of the springs for supplying power to the transfer belt unit is deformed. Replace the spring if it is deformed.			

[CE41] Image quality TRC control test pattern abnormality

Classification	Error item
Image control related service call	The image quality TRC control test pattern is not printed normally.

Step	Check item	Result	Measures	Next step
1	Check each value of the subcodes 2 (Y), 5 (M), 8 (C) and 11 (K) of the code 05-2803.	Under 628 (Y, M, C and K)	(High density pattern abnormality) <Procedure> 1. Set both values of the codes 08-2600 and 08-8103 to 0. 2. Print the test chart 04-270 with A3/LD for more than 2 pages. Then perform list printing ([9]+[START]) to check if no abnormality is found in the image density. If any abnormality is found, correct it referring to "25.5 Troubleshooting for the Image" 3. .Check if the process unit (EPU tray) and the developer unit are installed properly. 4. Check if any toner or developer material is spilt around the laser shutter. Clean if so. 5. Check the center position adjustment for each drawer is within the range preset at the shipment (rear side: 0-3 mm). 📖 P. 6-89"[B] Adjustment of the gear holder" 6. Adjust the image dimension with A3/LD. 📖 P. 6-17"[A] Reproduction ratio of primary scanning direction (Image clock fine adjustment (Printer))" 📖 P. 6-18"[B] Primary scanning data laser writing start position (Laser writing start position (Printer))" 7. Return both values of the codes 08-2600 and 08-8103 to 1. Then proceed to step 3. If it is the second time, proceed to step 4.	2
		628 or above (Y, M, C and K)		
2	2.Check each value of the subcodes 0 (Y), 3 (M), 6 (C) and 9 (K) of the code 05-2800.	180 or above (Y, M, C, K all)		3
		Under 180 (Y, M, C, K each)	(Low density pattern abnormality) <Procedure> 1. Set both values of the codes 08-2600 and 08-8103 to 0. 2. Print the test chart 04-270 with A3/LD for more than 2 pages. Then perform list printing ([9]+[START]) to check that no abnormality is found in the image density. If any abnormality is found, correct it referring to "📖 P. 8-301"8.5 Troubleshooting for the Image" 3. Return both values of the codes 08-2600 and 08-8103 to 1. Then proceed to step 3. If it is the second time, proceed to step 4.	

Step	Check item	Result	Measures	Next step
3	Perform the automatic gamma adjustment. If the adjustment is normally finished, this is the end of the procedure. If the error CE41 still occurs, repeat the procedure from step 1.			
4	4.Check if the harness between the connector CN423 on the IMG board and the connector CN319 on the LGC board is disconnected or open circuited. Correct if so.			
5	5.Check if the harness between the connector CN424 on the IMG board and the connector CN320 on the LGC board is disconnected or open circuited. Correct if so.			
6	6.Check if the conductor patterns on the IMG board and the LGC board are short circuited or open circuited.			
7	7.If no abnormality is found in steps 4 to 6 above, replace the IMG board.			
8	8.Perform automatic gamma adjustment. If the adjustment is normally finished, this is the end of the procedure. If the error CE41 still occurs, proceed to step 9.			
9	9.Reinstall the removed IMG board and then replace the LGC board. Perform automatic gamma adjustment after the board is replaced.			

Replace parts	Remarks
HDD	
SYS board	

[CE42] Image quality TRC control test pattern abnormality (EFI printer board)

Classification	Error item
Image control related service call	Image quality TRC control test pattern is not printed normally.

Check item	Measures
Image quality sensor (S23)	<ul style="list-style-type: none"> • Sensor check • Connector check • Harness check
IMG board	<ul style="list-style-type: none"> • Connector check (CN422) • Harness check
SYS board	<ul style="list-style-type: none"> • Connector check (CN116, CN132, CN135) • Harness check
HDD	<ul style="list-style-type: none"> • Format the HDD. ([5] + [C] + [POWER] ON -> [3] -> [2]) • Connector check • Harness check

Replace parts	Remarks
HDD	
SYS board	

[CE50] Temperature/humidity sensor abnormality

Classification	Error item
Image control related service call	The output value of this sensor is out of a specified range.

Check item	Measures
Temperature/humidity sensor (S12)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[1], 03-[ALL]OFF/[2]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN310) • Harness check

Replace parts	Remarks
Temperature/humidity sensor	
LGC board	

[CE60] Drum thermistor-Y abnormality

[CE90] Drum thermistor-K abnormality

Classification	Error item
Copy process related service call	<p>The output value of the drum thermistor-Y is out of a specified range. (CE60)</p> <p>The output value of the drum thermistor-K is out of a specified range. (CE90)</p>

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none"> • Connection check (05-2788) • Connector check (CN551, CN553, CN556) • Harness check

Check item	Measures
Drum thermistor-K (THM1)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[3]) • Connector check • Harness check
Drum thermistor-Y (THM2)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[4]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308) • Harness check

Replace parts	Remarks
Drum thermistor-K	
Drum thermistor-Y	
EPU board	
LGC board	

[CE71] Drum phase adjustment abnormality

Classification	Error item
Copy process related service call	Drum phase sensors (Color drum phase sensor and K drum phase sensor) are not turned ON after the drum motor was rotated for a specified period of time.

Check item	Measures
Service call CE71 error information	Perform 08-4739 to check the CE71 error information. Note: After the checking is completed, clear the setting value of 08-4739 to "0".
LGC board	<ul style="list-style-type: none"> • Connector check (CN313, CN315)
Drum motor (K) (M27)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-110) • Connector check • Harness check
Drum motor (YMC) (M28)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-110) • Connector check • Driving section check (Is there any abnormality on the rotation?) • Harness check
K drum phase sensor (S44)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[9]/B) • Connector check • Harness check
Color drum phase sensor (S43)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[9]/A) • Connector check • Harness check
Drum cleaner unit (Y, M, C, K)	<ul style="list-style-type: none"> • Cleaning blade check (Check if it turns up.)
Main charger unit	<ul style="list-style-type: none"> • Needle electrode check

Check item	Measures
Drum (Y, M, C, K)	<ul style="list-style-type: none"> Drum check (Check if the aluminum section of the drum flange is worn out.)

Replace parts	Remarks
Drum motor (K)	
Drum motor (YMC)	
K drum phase sensor	
Color drum phase sensor	
LGC board	
Cleaning blade (Y, M, C, K)	
Needle electrode	
Drum (Y, M, C, K)	

CE71 error can be prevented by setting the drum phase adjustment control OFF in the self-diagnostic code below.

The setting value shall be returned after the recovery, otherwise color deviation increases.

08-4766 (Drum phase adjustment control setting)

0: Disabled

1: Enabled (Default)

8.3.22 Copy process related service call

[C021] Developer unit motor-YMC locking error

Classification	Error item
Copy process related service call	The developer unit motor-YMC is not rotating normally

Check item	Measures
LGC board	<ul style="list-style-type: none"> Connector check (CN316) Harness check Board check
Developer unit motor-YMC	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-113) Connector check Driving section check (Is there any abnormality on the rotation?) Harness check
Developer unit	<ul style="list-style-type: none"> Check if waste toner is clogged on the waste toner transport path of the YMC-drum cleaner. Check if the developer material is excessively supplied to each YMC-developer unit.
Drive unit	<ul style="list-style-type: none"> Unit check Gear check Driving section check
Drum cleaner unit	Check if waste toner is clogged on the toner recovery auger section.
Process unit Drive section	<p>Check if the gear tooth flank is damaged.</p> <p>Check if there is any dust between the gear and the shaft.</p> <p>Check if the contact section between the gear and the shaft is worn out.</p>

Replace parts	Remarks
Developer unit motor-YMC	
LGC board	

[C022] Developer unit mixer motor-YMC locking error

Classification	Error item
Copy process related service call	The developer unit mixer motor-YMC is not rotating normally.

Check item	Measures
LGC board	<ul style="list-style-type: none"> Connector check (CN316) Harness check Board check
Developer unit mixer motor-YMC	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-115) Connector check Driving section check (Is there any abnormality on the rotation?) Harness check

Check item	Measures
Developer unit	<ul style="list-style-type: none"> • Check if developer material is excessively supplied to each YMC-developer unit. • Check if the developer material is excessively supplied to each YMC-developer unit.
Drive unit	<ul style="list-style-type: none"> • Unit check • Gear check
Process unit Drive section	<p>Check if the gear tooth flank is damaged.</p> <p>Check if there is any dust between the gear and the shaft.</p> <p>Check if the contact section between the gear and the shaft is worn out.</p>

Replace parts	Remarks
Developer unit mixer motor-YMC	
LGC board	

[C023] Developer unit motor-K locking error

Classification	Error item
Copy process related service call	The developer unit motor-K is not rotating normally

Check item	Measures
LGC board	<ul style="list-style-type: none"> • Connector check (CN313) • Harness check • Board check
Developer unit motor-K	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-112) • Connector check • Driving section check (Is there any abnormality on the rotation?) • Harness check
Developer unit	<ul style="list-style-type: none"> • Check if waste toner is clogged on the waste toner transport path of the K-drum cleaner. • Check if the developer material is excessively supplied to the K-developer unit.
Drive unit	<ul style="list-style-type: none"> • Unit check • Gear check
Drum cleaner unit	Check if waste toner is clogged on the toner recovery auger section.
Process unit Drive section	<p>Check if the gear tooth flank is damaged.</p> <p>Check if there is any dust between the gear and the shaft.</p> <p>Check if the contact section between the gear and the shaft is worn out.</p>

Replace parts	Remarks
Developer unit motor-K	
LGC board	

[C024] Developer unit mixer motor-K locking error

Classification	Error item
Copy process related service call	The developer unit motor-K is not rotating normally

Check item	Measures
LGC board	<ul style="list-style-type: none"> Connector check (CN313) Harness check Board check
Developer unit mixer motor-K	<ul style="list-style-type: none"> Motor check (Perform the output check: 03-114) Connector check Driving section check (Is there any abnormality on the rotation?) Harness check
Developer unit	<ul style="list-style-type: none"> Check if waste toner is clogged on the waste toner transport path of the K-drum cleaner. Check if the developer material is excessively supplied to the K-developer unit.
Drive unit	<ul style="list-style-type: none"> Unit check Gear check
Process unit Drive section	<p>Check if the gear tooth flank is damaged.</p> <p>Check if there is any dust between the gear and the shaft.</p> <p>Check if the contact section between the gear and the shaft is worn out.</p>

Replace parts	Remarks
Developer unit mixer motor-K	
LGC board	

[C360] Needle electrode cleaner operation abnormality

Classification	Error item
Copy process related service call	

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none"> Connection check (05-2788) Perform the code 08-4606- 0 to -3 (-0: K, -1: Y, -2: M, -3: C) to check which station the error is found. Connector check Harness check
Needle electrode cleaner detection sensor (S30 - S33)	<ul style="list-style-type: none"> Sensor check (Perform the input check: K: 03-[FAX]ON/[0]/[E]), C: 03-[FAX]ON/[0]/[H]), M: 03-[FAX]ON/[9]/[C]), Y: 03-[FAX]ON/[9]/[F]) Check if the needle electrode cleaner detection sensors (S30 - S33) are coming off of the plate of the EPU tray. Connector check Harness check

Check item	Measures
Needle electrode cleaner drive motors (M23 - M26)	<ul style="list-style-type: none"> • Motor check (Perform the output check: K: 03-207, C: 03-206, M: 03-205, Y: 03-204) • Connector check • Harness check
Needle electrode cleaner drive section	<ul style="list-style-type: none"> • Check if the needle electrode cleaner drive section rotates smoothly, and if it does not, clean or replace it.
EPU board	<ul style="list-style-type: none"> • Connector check (CN550, CN551, CN553, CN554, CN555, CN556) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308, CN310) • Harness check • Board check

Replace parts	Remarks
Needle electrode cleaner detection sensor	
Needle electrode cleaner drive motor	
EPU board	
LGC board	

[C370] Transfer belt abnormality

Classification	Error item
Copy process related service call	

Check item	Measures
Transfer belt unit	<ul style="list-style-type: none"> • Connector check • Unit check
Transfer belt cam motor (M14)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-237) • Connector check • Harness check
Transfer belt contact/release detection sensor (S46)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[5]/[H]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN311) • Board check

Replace parts	Remarks
Transfer belt contact/release detection sensor (S46)	
Transfer belt cam motor (M14)	
LGC board	

[C380] Auto-toner sensor (K) abnormality (upper limit)

[C381] Auto-toner sensor (K) abnormality (lower limit)

[C382] Auto-toner sensor (K) connection error

- [C390] Auto-toner sensor (C) abnormality (upper limit)
- [C391] Auto-toner sensor (C) abnormality (lower limit)
- [C392] Auto-toner sensor (C) connection error
- [C3A0] Auto-toner sensor (M) abnormality (upper limit)
- [C3A1] Auto-toner sensor (M) abnormality (lower limit)
- [C3A2] Auto-toner sensor (M) connection error
- [C3B0] Auto-toner sensor (Y) abnormality (upper limit)
- [C3B1] Auto-toner sensor (Y) abnormality (lower limit)
- [C3B2] Auto-toner sensor (Y) connection error

Classification	Error item
Copy process related service call	

Check item	Measures
Developer unit mixer motor-K/YMC	<ul style="list-style-type: none"> • Motor check (Perform the output check: K: 03-114 TMC: 03-115)
EPU tray (process unit)	<ul style="list-style-type: none"> • Connection check (05-2788) • Connector check • Harness check
EPU board	<ul style="list-style-type: none"> • Connector check (CN550, CN551, CN553, CN554, CN555, CN556) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308, CN310) • Board check

Replace parts	Remarks
Auto-toner sensor-K/-C/-M/-Y	
Developer unit mixer motor-K/YMC	
EPU board	
LGC board	

[C3C0] Process unit (EPU tray) connection error

Classification	Error item
Copy process related service call	

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none"> • Connection check (05-2788) • Connector check • Harness check
EPU board	<ul style="list-style-type: none"> • Connector check (CN551) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308) • Board check

Replace parts	Remarks
EPU board	
LGC board	

[C970] High-voltage transformer abnormality

Classification	Error item
Process related service call	Leakage of the main charger is detected.

Check item	Measures
Main charger	<ul style="list-style-type: none"> • Install check • Check if any foreign matter is on the needle electrode or main charger grid. • Harness check
EPU tray (process unit)	<ul style="list-style-type: none"> • Check if any foreign matter is adhering on the high-voltage terminal of the EPU tray. • Check if there is a sign of discharge on the joint of the high-voltage terminal of the EPU tray and the main charger. Correct if there is.

Replace parts	Remarks
Main charger	

[CD60] Sub-hopper toner sensor-Y, -M, -C, -K abnormality

Classification	Error item
Process related service call	

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none"> • Connection check (05-2788) • Connector check • Harness check
Sub-hopper toner sensor (S38 - S41)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: K: 03-[FAX]ON/[0]/[C], C: 03-[FAX]ON/[0]/[F], M: 03-[FAX]ON/[9]/[A], Y: 03-[FAX]ON/[9]/[D], Installation detection: 03-[FAX]ON/[9]/[G]) • Connector check • Harness check
EPU board	<ul style="list-style-type: none"> • Connector check (CN550, CN551) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308) • Board check

Replace parts	Remarks
Sub-hopper toner sensor-K/-C/-M/-Y	
EPU board	
LGC board	

[CD61] Sub-hopper toner motor-Y abnormality

[CD62] Sub-hopper toner motor-M abnormality

[CD63] Sub-hopper toner motor-C abnormality

[CD64] Sub-hopper toner motor-K abnormality

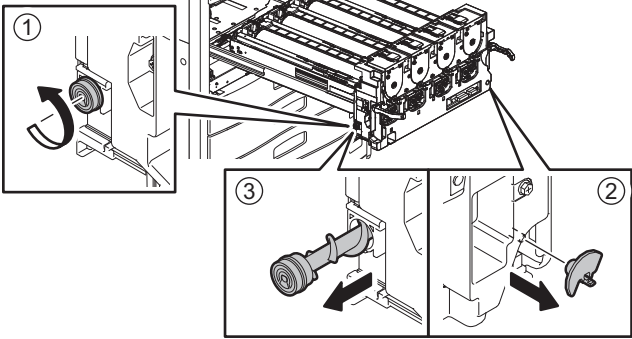
Classification	Error item
Process related service call	

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none">• Connection check (05-2788)• Connector check• Harness check
Sub-hopper toner motor (M19 - M22)	<ul style="list-style-type: none">• Motor check (Perform the output check: K: 03-227, C: 03-226, M: 03-225, Y: 03-224)• Sensor check (Perform the input check: 03-[ALL]OFF/[4]/[D/E/F/G])• Connector check• Harness check
EPU board	<ul style="list-style-type: none">• Connector check (CN551, CN553, CN554, CN555, CN556)• Board check
LGC board	<ul style="list-style-type: none">• Connector check (CN308)• Board check

Replace parts	Remarks
Sub-hopper toner motor-K/-C/-M/-Y	
EPU board	
LGC board	

[CD71] Waste toner transport motor locking error

Classification	Error item
Process related service call	The auger in the waste toner transport path does not rotate.

Check item	Measures
EPU tray (process unit)	<ul style="list-style-type: none"> • Pull out the process unit, rotate the gear counterclockwise and check if the load is extremely heavy. • Is the load still extremely heavy after the gear is rotated for a while to discharge the toner from the waste toner transport path? • Is the load still extremely heavy after the actuator is removed, the auger is pulled out and clean them?  <p style="text-align: center;">Fig.8-2</p>
Waste toner transport motor (M33)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-234) • Connector check • Harness check
Auger lock detection sensor (S42)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: K: 03-[FAX]ON/[0]/[B]) • Connector check • Harness check
EPU board	<ul style="list-style-type: none"> • Connector check (CN551, CN557) • Board check
LGC board	<ul style="list-style-type: none"> • Connector check (CN308, CN331) • Board check

Replace parts	Remarks
Waste toner transport motor	
Auger lock detection sensor	
EPU board	
LGC board	

[CD80] Waste toner motor locking error

Classification	Error item
Process related service call	The auger (TRU side) in the TRU waste toner transport path does not rotate.

Check item	Measures
TRU waste toner motor (M10)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-239) • Connector check • Harness check • Drive section check
ADU board	<ul style="list-style-type: none"> • Connector check (CN491, CN497) • Board check
PFU board	<ul style="list-style-type: none"> • Connector check (CN511) • Board check

Replace parts	Remarks
TRU waste toner motor	
ADU board	
PFC board	

[CD81] Waste toner transport motor locking error

Classification	Error item
Process related service call	The auger (waste toner box side) in the TRU waste toner transport path does not rotate.

Check item	Measures
TRU waste toner transport motor (M11)	<ul style="list-style-type: none"> • Motor check (Perform the output check: 03-240) • Connector check • Harness check • Drive section check
ADU board	<ul style="list-style-type: none"> • Connector check (CN491, CN497) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN511) • Board check

Replace parts	Remarks
TRU waste toner transport motor	
ADU board	
PFC board	

[CD82] TRU waste toner full-status error

Classification	Error item
Process related service call	

Check item	Measures
TRU waste toner box	<ul style="list-style-type: none"> • Check if the TRU waste toner box is full of used toner. Replace it, if it is full.

Check item	Measures
TRU waste toner amount detection sensor (S13)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: K: 03-[ALL]OFF/[5]/[E]) • Connector check • Harness check
ADU board	<ul style="list-style-type: none"> • Connector check (CN491, CN497) • Board check
PFC board	<ul style="list-style-type: none"> • Connector check (CN511) • Board check

Replace parts	Remarks
TRU waste toner amount detection sensor	
ADU board	
PFC board	

[CEC0] 2nd transfer roller position detection abnormality

Classification	Error item
Copy process related service call	The 2nd transfer roller does not contact/release normally.

Check item	Measures
2nd transfer cam motor (M48)	<ul style="list-style-type: none"> • 2nd transfer cam motor check (Perform the output check: 243) • Connector check • Harness check
2nd transfer roller position detection sensor (S50)	<ul style="list-style-type: none"> • Sensor check (Perform the input check: 03-[ALL]OFF/[9]/[H]) • Connector check • Harness check
LGC board	<ul style="list-style-type: none"> • Connector check (CN307, CN314) • Board check
2nd transfer contact/release cam unit gear	<ul style="list-style-type: none"> • Check that it is not damaged.
Actuator in the TRU	<ul style="list-style-type: none"> • Check that it is installed properly. • Check that it is not damaged.
Sensors in the TRU	<ul style="list-style-type: none"> • Check that they are installed properly. • Check that the cam is not damaged.

Replace parts	Remarks
2nd transfer roller position detection sensor	
2nd transfer cam motor	
LGC board	

[CEC5] Incorrect cam position alarm during 2nd transfer

Classification	Error item
Copy process related service call	Printing is finished even though the cam is stopped at an incorrect position during 2nd transfer pressure reduction. When this alarm occurs 3 times in total, the 2nd transfer pressure reduction is disabled (the value of 08-4663 is automatically turned to "0" from "1"). (The number of occurrences is stored in 08-4664.)

Step	Check Item	Result	Measure	Next Step
1	2nd transfer contact/release cam unit gear		Check that it is not damaged.	
2	Actuator in the TRU		<ul style="list-style-type: none"> • Check that it is installed properly. • Check that it is not damaged. 	
3	Sensors in the TRU		<ul style="list-style-type: none"> • Check that they are installed properly. • Check that the cam is not damaged. 	
4	<p>If any abnormality on a part is detected and the part is replaced, the 2nd transfer pressure reduction is enabled by changing the value of the setting codes as follows:</p> <p>08-4663: 0 to 10: Pressure reduction disabled 1: Pressure reduction enabled</p> <p>08-4664: 3 to 0 Resetting incorrect cam position error count</p> <p>Notes: Change the value of the following codes to disable the pressure reduction: 08-4663: 1 to 0 0: Pressure reduction disabled 1: Pressure reduction enabled 08-4664: 0, 1 or 2 to 3 Resetting incorrect cam position error count</p>			

Replace parts	Remarks
Actuator in the TRU	
Sensors in the TRU	

8.3.23 Other service call

[F100_0] HDD format error (Operation failure of key data)

Classification	Contents
Other service call	HDD format error: Operation of HDD key data fails.

Check Item	Measure
Setting	Reboot the equipment. If it cannot be recovered, reinstall the software in the following procedure. (1) Install the OS data.

[F100_1] HDD format error (HDD encryption key data damaged - one board)

Classification	Contents
Other service call	HDD format error: Encryption key data of either the SYS board or the SRAM board for the SYS board are damaged.

Check Item	Measure
Encryption key status	Check the displayed message. ([3] + [C] + [POWER] → 5. Key Backup Restore)

Take appropriate countermeasures shown in the table below according to the messages displayed in "SRAM Key Status" and "FROM Key Status".

Remarks:

If the error is not cleared, reinstallation of the OS data, master data and application is needed.
([4]+[9]→Power-ON)

SRAM Key Status	FROM Key Status	Measure
OK	AccessFailed	Replace the SYS board. ☞ P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps)
OK	KeyNull KeyBroken	Recover the encryption key on the SYS board. ☞ P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" ([F]Restore encryption key)
AccessFailed	OK	Replace the SRAM board (for the SYS board). (USB backup data are not used) ☞ P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)
KeyNull KeyBroken	OK	Recover the encryption key on the SRAM board. ☞ P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" ([H]Backup encryption key)
Keymismatch	Keymismatch	<The error occurs when the SYS board is replaced> Recover the encryption key on the SYS board. ☞ P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" ([F]Restore encryption key) <The error occurs except when the SYS board is replaced> Replace the SRAM board (for the SYS board). ☞ P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)

[F100_2] HDD format error (HDD encryption key data damaged - both boards)




Classification	Contents
Other service call	HDD format error: Encryption key data of both the SYS board and the SRAM board for the SYS board are damaged.

Check Item	Measure
Encryption key status	Check the displayed message. ([3] + [C] + [POWER] → 5. Key Backup Restore)

Take appropriate countermeasures shown in the table below according to the messages displayed in “SRAM Key Status” and “FROM Key Status”.

Remarks:

If the error is not cleared, reinstallation of the OS data / master data and application is needed.
([4]+[9]→Power-ON)

SRAM Key Status	FROM Key Status	Measure
*	AccessFailed	<p>Replace the SYS board.</p> <p> P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps)</p> <p><With USB backup data: All key data recovery></p> <ol style="list-style-type: none"> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see “12.1.4Cloning procedure [B]Restore procedure”.) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in “9.2.4Precautions and Procedures when replacing the SYS board”. [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license
AccessFailed	*	<p>Replace the SYS board.</p> <p> P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (for the SYS board, all steps)</p>
KeyNull/ KeyBroken	KeyNull/ KeyBroken	<p><No USB backup data></p> <ol style="list-style-type: none"> 1. Reinstall the system software.  P. 11-6"11.2 Firmware Updating with a USB Device" <p><With USB backup data: All key data recovery></p> <ol style="list-style-type: none"> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see “12.1.4Cloning procedure [B]Restore procedure”.) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in “9.2.4Precautions and Procedures when replacing the SYS board”. [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license

* AccessFailed, KeyNull or KeyBroken

[F101_0] HDD connection error (HDD connection cannot be detected.)

[F101_1] Root partition mount error (HDD formatting fails.)

[F101_2][F101_3] Partition mount error (The HDD cannot be connected (mounted) caused by damage to areas other than those described in the F101_1 and F101_4 to F101_10 errors.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 0: HDD connection error (HDD connection cannot be detected.) Sub-code 1: Root partition mount error (HDD formatting fails.) Sub-code 2, 3: Partition mount error (The areas other than those described in the F101_1 and F101_4 to F101_10 errors are damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> Connector and harness check Check if the connector pins of the HDD are bent. Check if HDD for other equipment is not installed. Check if SRAM for other equipment is not installed. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is "OK". If not, recover the key (copy "SRAM Key Status" to "FROM Key Status" or vice versa). If the error still persists after step 2, perform the following. <ul style="list-style-type: none"> Perform [3C] - [3] (Format HDD), and then install "System Software (HD data)" with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> Message Log Job Log Spool Data (Print, Email reception) Template <p>If F101_1 occurs with ADI-HDD or the error persists after performing step 3, perform step 3 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> If the error persists even after step 3, replace the HDD. If the error persists even after step 4, replace the SATA harness. If the error persists even after step 5, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_4] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the “/work” partition.)

[F101_10] Partition mount error (The file link error in the “/work” partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 4: Partition mount error (The “/work” partition is damaged.) Sub-code 10: Partition mount error (The file link error in the “/work” partition)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is “OK”. - If not, recover the key (copy “SRAM Key Status” to “FROM Key Status” or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→3. /work, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→2. /work, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install “System Software (HD data)” with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_5] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the “/registration” partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 5: Partition mount error (The “/registration” partition is damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is “OK”. - If not, recover the key (copy “SRAM Key Status” to “FROM Key Status” or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→4. /registration, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→3. /registration, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install “System Software (HD data)” with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_6] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the “/backup” partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 6: Partition mount error (The “/backup” partition is damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is “OK”. - If not, recover the key (copy “SRAM Key Status” to “FROM Key Status” or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→5. /backup, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→4. /backup, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install “System Software (HD data)” with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_7] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the "/imagedata" partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 7: Partition mount error (The "/imagedata" partition is damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is "OK". - If not, recover the key (copy "SRAM Key Status" to "FROM Key Status" or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→6. /imagedata, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→5. /imagedata, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install "System Software (HD data)" with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_8] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the “/storage” partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 8: Partition mount error (The “/storage” partition is damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is “OK”. - If not, recover the key (copy “SRAM Key Status” to “FROM Key Status” or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→7. /storage, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→6. /storage, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install “System Software (HD data)” with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

[F101_9] Partition mount error (The HDD cannot be connected (mounted) caused by damage to the “/encryption” partition.)

Classification	Contents
Other service call	HDD unmounted: Connection of HDD cannot be detected. Sub-code 9: Partition mount error (The “/encryption” partition is damaged.)

Check item	Measures
HDD, SYS board, Setting	<ol style="list-style-type: none"> 1. Turn the power of the equipment OFF and check the connection of the HDD. <ul style="list-style-type: none"> - Connector and harness check - Check if the connector pins of the HDD are bent. - Check if HDD for other equipment is not installed. - Check if SRAM for other equipment is not installed. 2. If the error still occurs after step 1, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [5] (Key Backup Restore) and check that each Key Status is “OK”. - If not, recover the key (copy “SRAM Key Status” to “FROM Key Status” or vice versa). 3. If the error persists after step 2, perform [5]+[C]+[POWER]→2. Recovery F/S→8. /encryption, and then restart the equipment. 4. If the error persists after step 3, perform [5]+[C]+[POWER]→3. Initialize HDD→7. /encryption, and then restart the equipment. 5. If the error still persists after step 4, perform the following. <ul style="list-style-type: none"> - Perform [3C] - [3] (Format HDD), and then install “System Software (HD data)” with [49] - [4]. <p>Notes: The following items will be deleted by performing [3C] - [3] (Format HDD).</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template <p>If the error persists after performing step 5, perform step 5 after performing [4]+[C]+[POWER]→1. Revert factory initial status HDD.</p> 6. If the error persists even after step 5, replace the HDD. 7. If the error persists even after step 6, replace the SATA harness. 8. If the error persists even after step 7, replace the SYS board.

Replacement part	Measure
HDD	
SATA harness	
SYS board	

- [F102] HDD start error
- [F103] HDD transfer time-out
- [F104] HDD data error
- [F105] HDD other error

Classification	Contents
Other service call	HDD start error: HDD cannot become "Ready" state. HDD transfer time-out: Reading/writing cannot be performed in the specified period of time. HDD data error: Abnormality is detected in the data of HDD. HDD other error

Check item	Measures
HDD	<ul style="list-style-type: none"> Connector and harness check Check if the connector pins of the HDD are bent. Perform the bad sector check (08-9072). If the check result is OK, recover the data in the HDD. If the check result is failed, replace the HDD.

Replacement part	Measure
HDD	
SYS board	

[F106_0] ADI-HDD error: Illegal disk replacement detected (ADI-HDD Exchange to SATA-HDD)

Classification	Error item
Other service call	ADI-HDD error: The ADI-HDD has been replaced illegally to SATA-HDD (normal type).

Check Item	Measure
Setting	<p>Check if the HDD has been replaced with a SATA-HDD (normal type).</p> <ol style="list-style-type: none"> (1) Start the equipment in the 4C mode: [4] + [C] + [POWER] (2) Check the type of the HDD shown on the top left of the control panel display "Current HDD type". <p>2a. In case of "SATA-HDD" (normal type), replace it with the original ADI-HDD or a new ADI-HDD.</p> <p>Notes: To replace with the original ADI-HDD, start the equipment in the normal mode and then reinstall master data (HD Data) only if any abnormality occurs.</p> <p>2b. In case of "ADI-HDD" Check each item in the Measures field for the HDD below. If the error still occurs, reinstall the master data (HD Data).</p>

Check Item	Measure
HDD	<ul style="list-style-type: none"> Connector check Harness check Perform the bad sector check (08-9072). If the check result is OK, recover the data in the HDD. If the check result fails, replace the HDD. If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F106_1] ADI-HDD error: HDD type detection error

Classification	Error item
Other service call	ADI-HDD error: HDD type detection fails.

Check Item	Measure
Setting	If the error is not recovered after rebooting the equipment or no abnormality is found on any check items for the HDD, reinstall the master data (HD Data).
HDD	<ul style="list-style-type: none"> Connector check Harness check Perform the bad sector check (08-9072). If the check result is OK, recover the data in the HDD. If the check result fails, replace the HDD. Check that either the ADI-HDD or SATA-HDD (normal type) is mounted. <ol style="list-style-type: none"> Start the equipment in the 4C mode: [4] + [C] + [POWER] Check the type of the HDD shown on the top left of the control panel display "Current HDD type". Normal status: ADI-HDD or SATA-HDD Abnormal status: Unknown HDD If "Unknown HDD" is displayed, reinstall the master data (HD Data). If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F106_2] ADI-HDD error: ADI encryption key download operation error

Classification	Error item
Other service call	ADI-HDD error: Downloading of or consistency check for ADI-HDD encryption key fails.

Check Item	Measure
Setting	Checking of ADI-HDD encryption key status (1) Start the equipment in the 3C mode: [3] + [C] + [POWER] (2) The authentication menu is displayed. Press [OK]. (Not required in the default setting) (3) Select "5. Key Backup Restore" and then press the [START] button. (4) Check the status of the ADI-HDD encryption key on the Key Backup Restore Mode menu. (5) After the operation is completed, shut down the equipment by pressing the [POWER] button. <ul style="list-style-type: none"> • In case both the SRAM ADIKey and FROM ADIKey status are OK • Reinstall the system ROM data (OS Data). • In case either the SRAM ADIKey or FROM ADIKey status is other than OK Restore the ADI-HDD encryption key. • In case both of the SRAM ADIKey and FROM ADIKey status are other than OK Reinstall the master data (HD Data).
HDD	If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F106_3] ADI-HDD error: ADI authentication Admin Password generation error

Classification	Error item
Other service call	ADI-HDD error: The generation of ADI authentication Admin Password fails.

Check Item	Measure
Setting	Reinstall the system ROM data (OS Data). Reinstall the master data (HD Data).
HDD	If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F106_4] ADI-HDD error: Authentication random number generation error

Classification	Error item
Other service call	ADI-HDD error: The generation of a random number for authentication data fails.

Check Item	Measure
Setting	Reinstall the system ROM data (OS Data). Reinstall the master data (HD Data).
HDD	If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F106_5] ADI-HDD error: Authentication data transmission error

Classification	Error item
Other service call	ADI-HDD error: The transmission of authentication data fails.

Check Item	Measure
Setting	<p>Reinstall the system ROM data (OS Data). Reinstall the master data (HD Data).</p> <ul style="list-style-type: none"> • In case this error occurred after returning SRAM data for SRAM cloning: Copy the ADI-HDD encryption key from FROM to SRAM. <ol style="list-style-type: none"> (1) Start the equipment in the 3C mode: [3] + [C] + [POWER] (2) The authentication menu is displayed. Press [OK]. (Not required in the default setting) (3) Select "5. Key Backup Restore" and then press the [START] button. (4) Select "6. ADIKey FROM to SRAM" and then press the [START] button. (5) After the restoring of the encryption key has completed, "Operation Complete" is displayed. (6) After the operation has completed, shut down the equipment by pressing the [POWER] button.
HDD	If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.



[F106_6]/[F106_7]/[F106_8]/[F106_10] / [F106_UNDEF] ADI-HDD error: Error caused by reason other than F106_0 to 5 errors

Classification	Error item
Other service call	ADI-HDD error: Error caused by reason other than F106_0 to 5 errors

Check Item	Measure
Setting	<p>Perform [3]+[C]+[POWER]-> [3.Format HDD], and then install the system software by performing [4]+[9]+[POWER]-> [4.System Software(HD data)].</p> <p>Notes: The following items will be deleted by performing [3]+[C]+[POWER]-> [3.Format HDD].</p> <ul style="list-style-type: none"> • Message Log • Job Log • Spool Data (Print, Email reception) • Template
HDD	If the error persists even after above step, replace the HDD. If the equipment operation disabled after above step, replace the HDD.

[F109_0] Key consistency error (Consistency check operation error)

Classification	Contents
Other service call	Key consistency error - Key consistency check on each key data fails.

Check Item	Measure
Setting	Reboot the equipment. If it cannot be recovered, reinstall the software in the following procedure. (1) Install the OS data. (2) Reinstall the master data and application program.
SRAM board (for SYS board)	If the error is not cleared after the software reinstallation, replace the SRAM board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"
SYS board	If the error is not cleared after this (see above), replace the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board"

Replace parts	Remarks
SRAM board	
SYS board	

[F109_1] Key consistency error (SRAM encryption AES key data damage)

Classification	Contents
Other service call	Key consistency error - AES key data used for SRAM encryption are damaged.

Check Item	Measure
Setting	Reboot the equipment. If it cannot be recovered, reinstall the software in the following procedure. (1) Install the OS data. (2) Reinstall the master data and application program.

[F109_2] Key consistency error (Signature Check public key damage)

Classification	Contents
Other service call	Key consistency error - Public key data used for Integrity Check are damaged.

Check Item	Measure
Setting	Reboot the equipment. If it cannot be recovered, reinstall the software in the following procedure. (1) Install the OS data. (2) Reinstall the master data and application program.

[F109_3] Key consistency error (HDD encryption parameter damage)






Classification	Contents
Other service call	Key consistency error - Parameter used for HDD partition encryption are damaged.


Check Item	Measure
Encryption key status confirmation	Check the message displayed by [3] + [C] + [POWER] → 5. Key Backup Restore.

Take measures given in the following table according to the messages displayed in the SRAM Key Status and FROM Key Status fields.

Remarks:

If the error is not cleared, reinstallation of the OS data, master data and application is needed.
([4]+[9]→Power-ON)

SRAM Key Status	FROM Key Status	Measure
*	AccessFailed	Replace the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps) <With USB backup data: All key data recovery> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license
AccessFailed	*	Replace the SYS board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (for the SYS board, all steps)
OK	KeyNull/ KeyBroken	Recover the encryption key on the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" ([F]Restore encryption key)
AccessFailed	OK	Replace the SRAM board (for the SYS board).  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)
KeyNull/ KeyBroken	OK	Recover the encryption key on the SRAM board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (for the SYS board, [H]Backup encryption key)

SRAM Key Status	FROM Key Status	Measure
KeyNull/ KeyBroken	KeyNull/ KeyBroken	<p><No USB backup data></p> <p>1. Reinstall the system software.  P. 11-6"11.2 Firmware Updating with a USB Device"</p> <p><With USB backup data: All key data recovery></p> <p>1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".)</p> <p>2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license</p>

* AccessFailed, KeyNull or KeyBroken

[F109_4] Key consistency error (license data damage)



Classification	Contents
Other service call	Key consistency error - The license data are damaged.

Check Item	Measure
Encryption key status confirmation	Check the message displayed by [3] + [C] + [POWER] → 5. Key Backup Restore.

Take measures given in the following table according to the messages displayed in the SRAM Licence Status and FROM Licence Status fields.

Remarks:

If the error is not cleared, reinstallation of the OS data, master data and application is needed.
 ([4]+[9]→Power-ON)

SRAM Licence Status	FROM Licence Status	Measure
*	AccessFailed	<p>Replace the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps)</p> <p><With USB backup data: All key data recovery></p> <p>1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".)</p> <p>2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license</p>
AccessFailed	*	<p>Replace the SYS board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)</p>

SRAM Licence Status	FROM Licence Status	Measure
KeyMismatch	KeyMismatch	<p><The error occurs when the SYS board is replaced> Recover the license on the SYS board. (Transfer the license from SYS-SRAM to SYS-FROM.) 📖 P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board"([G]Restore license)</p> <p><The error occurs except when the SYS board is replaced> Recover the license on the SRAM board. (Transfer the license from SYS-FROM to SYS-SRAM.) 📖 P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"([I]Backup license)</p>

* AccessFailed or KeyMismatch

[F109_5] Key consistency error (encryption key for ADI-HDD is damaged)

Classification	Contents
Other service call	Key consistency error - Encryption key for ADI-HDD is damaged.





Check item	Measures
Encryption key status confirmation	Check the message displayed by [3] + [C] + [POWER] → 5. Key Backup Restore.

Take measures given in the following table according to the messages displayed in the SRAM Key Status and FROM Key Status fields.

Remarks:

If the error is not cleared, reinstallation of the system firmware, system software and application is needed. ([4]+[9] → Power-ON)

SRAM Key Status	FROM Key Status	Measure
*	AccessFailed	<p>Replace the SYS board. 📖 P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps)</p> <p><With USB backup data: All key data recovery> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".)</p> <p>2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license</p>
AccessFailed	*	<p>Replace the SRAM board (for the SYS board). 📖 P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)</p>
OK	KeyNull/ KeyBroken	<p>Recover the ADI key on the SYS board. 📖 P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" ([E]Restore ADI key)</p>

SRAM Key Status	FROM Key Status	Measure
KeyNull/ KeyBroken	OK	Recover the encryption key on the SRAM board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" ([G]Backup ADI key)
KeyNull/ KeyBroken	KeyNull/ KeyBroken	<No USB backup data> 1. Create the partition in the HDD, and reinstall the system software.  P. 9-25"9.2.3 Precautions and procedures when replacing the HDD"(Perform step 3 or later in "[E]Replace / Format HDD") <With USB backup data: All key data recovery> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license
KeyMismatch	KeyMismatch	<The error occurs when the SYS board is replaced> Recover the encryption key on the SYS board. (Transfer the license from SYS-SRAM to SYS-FROM.)  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board"([E]Restore ADI key) <The error occurs except when the SYS board is replaced> Recover the encryption key on the SRAM board. (Transfer the license from SYS-FROM to SYS-SRAM.)  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"([G]Backup ADI key)

* AccessFailed or KeyMismatch

[F109_6] Key consistency error (administrator password error for ADI-HDD authentication)





Classification	Contents
Other service call	Key consistency error - Administrator password error for ADI-HDD authentication.




Check item	Measures
Encryption key status confirmation	Check the message displayed by [3] + [C] + [POWER] → 5. Key Backup Restore.

Take measures given in the following table according to the messages displayed in the SRAM Key Status and FROM Key Status fields.

Remarks:

If the error is not cleared, reinstallation of the system firmware, system software and application is needed. ([4]+[9] → Power-ON)

SRAM Key Status	FROM Key Status	Measure
*	AccessFailed	Replace the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" (all steps) <With USB backup data: All key data recovery> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license
AccessFailed	*	Replace the SRAM board (for the SYS board).  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" (all steps)
OK	KeyNull/ KeyBroken	Recover the ADI key on the SYS board.  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board" ([E]Restore ADI key)
KeyNull/ KeyBroken	OK	Recover the encryption key on the SRAM board.  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" ([G]Backup ADI key)

SRAM Key Status	FROM Key Status	Measure
KeyNull/ KeyBroken	KeyNull/ KeyBroken	<p><No USB backup data></p> <ol style="list-style-type: none"> 1. Create the partition in the HDD, and reinstall the system software.  P. 9-25"9.2.3 Precautions and procedures when replacing the HDD"(Perform step 3 or later in "[E]Replace / Format HDD") <p><With USB backup data: All key data recovery></p> <ol style="list-style-type: none"> 1. Recover all the data on the SRAM board. [5] + [9] + [POWER] → 2. Restore SRAM Data from USB (For details, see "12.1.4Cloning procedure [B]Restore procedure".) 2. Recover the encryption key/license on the SYS board. Follow the procedures below noted in "9.2.4Precautions and Procedures when replacing the SYS board". [E] Restore ADI key (only when ADI-HDD is installed) [F] Restore encryption key [G]Restore license
KeyMismatch	KeyMismatch	<p><The error occurs when the SYS board is replaced> Recover the encryption key on the SYS board. (Transfer the license from SYS-SRAM to SYS-FROM.)  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board"([E]Restore ADI key)</p> <p><The error occurs except when the SYS board is replaced> Recover the encryption key on the SRAM board. (Transfer the license from SYS-FROM to SYS-SRAM.)  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"([G]Backup ADI key)</p>

* AccessFailed or KeyMismatch

[F120] Database abnormality

Classification	Error item
Other service call	Database abnormality: Database is not operating normally.

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Check that no jobs remain and rebuild the databases. ([5] + [C] + [POWER] -> 4. Initialize database -> 1. LDAP DB and 2. Log DB (Job,Msg). 2. If the error is not recovered, reinstall the system software. ([4] + [9] + [POWER] -> 4. System Software(HD data)) <p>Notes:</p> <ul style="list-style-type: none"> • If you rebuild the databases with a job remaining, delete it after finishing. • When "Rebuilding all databases" is performed, all data including log/user/role/group/department information and address book data are deleted. If you back up the data in advance, they will be recovered by restoring them after rebuilding the database.

[F121] Database abnormality (user information management database)

Classification	Error item
Other service call	Login after the startup fails in any starting mode because user management database is corrupted.

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Delete the log in the following procedure:[5] + [C] + [POWER] → 4. Initialize database → 1. LDAP database (to delete user database) (Note that all user, role, group and accounting data will be deleted.) 2. If the error is not recovered, reinstall the system software. ([4] + [9] + [POWER] -> 4. System Software(HD data)) <p>Notes:</p> <ul style="list-style-type: none"> • If you rebuild the databases with a job remaining, delete it after finishing. • When "Rebuilding all databases" is performed, all data including log/user/role/group/department information and address book data are deleted. If you back up the data in advance, they will be recovered by restoring them after rebuilding the database.


[F122] Database abnormality (message/job log management database)

Classification	Error item
Other service call	Login after the startup fails in any starting mode because log management database is corrupted.

Check item	Measures
Setting	<p>1. Delete the log in the following procedure: [5] + [C] + [POWER] → 4. Initialize database → 2. Log database (jobs and messages) (Note that all job and message logs will be deleted.)</p> <p>2. If the error is not recovered, reinstall the system software. ([4] + [9] + [POWER] → 4. System Software(HD data))</p> <p>Notes:</p> <ul style="list-style-type: none"> • If you rebuild the databases with a job remaining, delete it after finishing. • When “Rebuilding all databases” is performed, all data including log/user/role/group/department information and address book data are deleted. If you back up the data in advance, they will be recovered by restoring them after rebuilding the database.

[F124] Language DB damage error

Classification	Error item
Other service call	Login after the startup fails in any starting mode because language management database is corrupted.

Check item	Measures
Setting	<p>Delete the journal file: [5] + [C] + [START] → 4. Initialize DB -> 3. Language DB</p> <p>If the recovery is still not completed, reinstall the master data and application program.  P. 11-12"11.2.4 Update procedure"</p>

[F130] Invalid MAC address

Classification	Error item
Other service call	This error occurs when the top 3 bytes of the MAC address is not “00” “80” “91”.

Check item	Measures
SYS board	Replace the SYS board.

[F131] Error due to damage to filtering setting file

Classification	Error item
Other service call	The filtering function is not working properly due to the damage to the file for the filtering setting.

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Check the bad sector of the HDD (08-9072). If the result is “NG”, replace the HDD. Notes: It may take more than 30 minutes to finish the checking. 2. Perform [3] + [C] + [POWER] -> [3], and then reinstall the HDD software. Notes: User data will be deleted when [3] + [C] + [POWER] -> [3] is performed.

Replace parts	Remarks
HDD	

[F140] ASIC format error

Classification	Error item
Other service call	ASIC formatting fails or memory acquiring fails when software is formatted

Check item	Measures
SYS board	<ul style="list-style-type: none"> • Connector check • Board check
Main memory	<ul style="list-style-type: none"> • Check the installation • Main memory check

Replace parts	Remarks
SYS board	
Main memory	

[F200] Data overwrite option (GP-1070) disabled

Classification	Error item
Other service call	

Check item	Measures
Firmware	<ul style="list-style-type: none"> • Perform firmware installation (all firmware: OS, HDD, SYS, PFC Firmware, Engine Main Firmware, and Scanner Firmware) with the USB media. Remarks: When the function of the Data Overwrite option (GP-1070) is deleted from the equipment, the service call “F200” occurs

Replace parts	Remarks
SYS board	

[F500] HD partition damage

Classification	Error item
Other service call	The file system is abnormal.

Check item	Measures
Setting	<ul style="list-style-type: none">• Diagnose the file system with [5] + [C] + [POWER] → 1. Check F/S, and then recover the problem partition with [5] + [C] + [POWER] → 2. Recovery F/S.• If it still is not recovered by performing the above, reinstall the software after formatting the HDD with [3] + [C] + [POWER] → 3: Format HDD.

Replace parts	Remarks

[F510] Application start error

Classification	Error item
Other service call	The application fails to start.

Check item	Measures
Setting	<ol style="list-style-type: none">1. Reboot.2. If it has still not recovered, reinstall the HDD software.3. If it still persists after step 2, perform [3] + [C] + [POWER] → 3, and then reinstall the HDD software. <p>Notes: User data will be deleted when [3] + [C] + [POWER] → 3 is performed.</p>

Replace parts	Remarks

[F520] Operating system start error

Classification	Error item
Other service call	The operating system fails to start.

Check item	Measures
Setting	<ol style="list-style-type: none">1. Reboot.2. If it has still not recovered, reinstall the HDD software.3. If it still persists after step 2, perform [3] + [C] + [POWER] → 3, and then reinstall the HDD software. <p>Notes: User data will be deleted when [3] + [C] + [POWER] → 3 is performed.</p>

Replace parts	Remarks

[F521] Integrity check error

Classification	Error item
Other service call	Authentication of program data failed.

Check item	Measures
Setting	<p>Restart the equipment. If the error is not recovered after restarting the equipment, reinstall software following the procedure below.</p> <ol style="list-style-type: none"> (1) Turn the power OFF. (2) Turn the power back ON while pressing the [4] and [9] buttons simultaneously. (3) The authentication screen is displayed. Enter the password. (Password entry is not required under the default setting.) (4) Key in [1] to select "1. SYSTEM FIRMWARE (OS data)" and [4] to select "4. SYSTEM SOFTWARE (OS data)", and then press the [START] button. (5) When updating is completed properly, "Update successful completed Restart the MFP" is displayed on the touch panel.

Replace parts	Remarks

[F550] Encryption partition error

Classification	Error item
Other service call	The encryption partition fails to be read and written.

Check item	Measures
Setting	<ul style="list-style-type: none"> • Recover the encryption key with [3] + [C] + [POWER] → 5.

Replace parts	Remarks

[F600] F/W update error

Classification	Error item
Other service call	The firmware fails to be updated.

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Perform [3] + [C] + [POWER] -> [1] -> [START] for "Clear Error Flag in Software Installation". 2. Reinstall the firmware in error displayed on the F600 error screen.

Replace parts	Remarks

[F700] Overwrite error

Classification	Error item
Other service call	Overwriting fails.

Check item	Measures
Setting	<ul style="list-style-type: none"> If a service call occurs again after the reboot, replace the HDD.

Replace parts	Remarks

[F800] Date error

Classification	Error item
Other service call	The year 2038 problem


Check item	Measures
Setting	<p>Reset the date, and request the administrator to set the date and time.</p> <ol style="list-style-type: none"> Turn the power on while pressing the [6] and [CLEAR] button. Select [2] key, and then press the [START] button. Press the [START] button on the confirmation screen displayed. (The date is set to January 1st, 2011.) Request the administrator to set the date and time.

[F900] Model information error

Classification	Error item
Other service call	Machine information alignment error. The machine information is damaged.

Check item	Measures
Setting	<p>Recover the machine information by means of the following procedure.</p> <p>Notes: The following procedure is supported in the firmware with the version "2050" or later. If the version is before "2050", first upgrade it to "2050" or later with [4] + [9] -> [1] for "SYSTEM FIRMWARE (OS Data)".</p> <p><Machine information recovery></p> <ol style="list-style-type: none">1. Turn the power ON while pressing [6] and the [CLEAR] button simultaneously.2. Key in [3] to select "3. SRAM Re-Initialize Support", and then press the [START] button.3. After the operation is completed, shut down the equipment by pressing the [ON/OFF] button. * If it is not recovered, perform the following procedure.4. Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.5. Enter the password on the Authentication screen. If no password is set for Service, press the [OK] button without entering anything. If the High Security Mode has been set, enter "#1048#".6. Key in [5] to select "5. Key Backup Restore", and then press the [START] button.7. Key in [2] to select "2. Key FROM to SRAM", and then press the [START] button.8. After the operation is completed, shut down the equipment by pressing the [ON/OFF] button.

8.3.24 Error in Internet FAX / Scanning Function

- When initializing the Electronic Filing (Setting Mode ([5] + [C] + [POWER] ON -> [3] -> [6]), all data in the Electronic Filing are erased. Back up the data in the Electronic Filing by using the Electronic Filing Function of TopAccess before the initialization.
- When initializing the shared folder (Setting Mode ([5] + [C] + [POWER] ON -> [3] -> [1]), all data in the shared folder are erased. Back up the data in the shared folder by using Explorer before the initialization.
- When formatting the HDD (Setting Mode ([5] + [C] + [POWER] ON -> [3] -> [1]), all data in the shared folder, Electronic
-  P. 9-25"9.2.3 Precautions and procedures when replacing the HDD"

[1] Internet FAX related error

[1C10] System access abnormality

[1C32] File deletion failure

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • If the error still occurs, first, check if there are no jobs existing and then perform the HDD formatting ([5] + [C] + [POWER] ON -> [3] -> [1]).

Replace parts	Remarks

[1C11] Insufficient memory

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • When there are running jobs, perform the job in error again after the completion of the running jobs. • If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[1C12] Message reception error

[1C13] Message transmission error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[1C14] Invalid parameter

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • When a template is used, form the template again. • If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[1C15] Exceeding file capacity

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reset and extend the “Maximum send to E-mail/iFAX size” or reduce the number of pages and perform the job again.

Replace parts	Remarks

[1C30] Directory creation failure

[1C31] File creation failure

[1C33] File access failure

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the access privilege to the storage directory is writable. • Check if the server or local disk has a sufficient space in disk capacity.

Replace parts	Remarks

[1C40] Image conversion abnormality

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Turn the power OFF and then back ON. Perform the job in error again.• Replace the main memory and perform the job again.

Replace parts	Remarks
Main memory	

[1C60] HDD full failure during processing

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Delete the job in progress or being set or in the HOLD/PRIVATE/PROOF/INVALID, and perform it again.• Check if the server or local disk has a sufficient space in disk capacity.

Replace parts	Remarks

[1C61] Address Book reading failure

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Turn the power OFF and then back ON. Perform the job in error again.• Reset the data in the Address Book and perform the job again.

Replace parts	Remarks

[1C63] Terminal IP address unset

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the Terminal IP address. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[1C64] Terminal mail address unset

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the Terminal mail address. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[1C65] SMTP mail address unset

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the SMTP address and perform the job. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[1C66] Server time-out error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the SMTP server is operating properly.

Replace parts	Remarks

[1C69] SMTP server connection error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the login name or password of SMTP server and perform the job again. Check if the SMTP server is operating properly.

Replace parts	Remarks

[1C6B] Terminal mail address error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check the SMTP Authentication method. Check if there is an illegal character in the Terminal mail address. Set the correct SMTP Authentication method or delete the illegal character and reset the appropriate Terminal mail address, then perform the job again.

Replace parts	Remarks

[1C6C] Destination mail address error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if there is an illegal character in the Destination mail address. Delete the illegal character and reset the appropriate Destination mail address, then perform the job again.

Replace parts	Remarks

[1C6D] System error

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • If the error still occurs, replace the SYS board.

Replace parts	Remarks
SYS board	

[1C70] SMTP client OFF

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Set the SMTP valid and perform the job again.

Replace parts	Remarks

[1C71] SMTP authentication ERROR

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check that SMTP authentication method, login name and password are correct, then perform authentication again.

Replace parts	Remarks

[1C72] POP Before SMTP ERROR

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check that both the POP Before SMTP setting and POP3 setting are correct, then perform authentication again.

Replace parts	Remarks

[1CC1] Power failure

Classification	Error item
Internet FAX related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Check if the power cable is connected properly and it is inserted securely.• Check if the power voltage is unstable.

Replace parts	Remarks

[2] RFC related error

[2500] HOST NAME error (RFC: 500) / Destination mail address error (RFC: 500) / Terminal mail address error (RFC: 500)

[2501] HOST NAME error (RFC: 501) / Destination mail address error (RFC: 501) / Terminal mail address error (RFC: 501)

Classification	Error item
RFC related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Check if the Terminal mail address and Destination mail address are correct.• Check if the mail server is operating properly.• Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2503] Destination mail address error (RFC: 503)

[2504] HOST NAME error (RFC: 504)

[2551] Destination mail address error (RFC: 551)

Classification	Error item
RFC related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Check if the mail server is operating properly.• Turn the power OFF and then back ON. Perform the job in error again.• If the error still occurs, replace the SYS board.

Replace parts	Remarks

[2550] Destination mail address error (RFC: 550)

Classification	Error item
RFC related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the state of the mail box in the mail server.

Replace parts	Remarks

[2552] Terminal/Destination mail address error (RFC: 552)

Classification	Error item
RFC related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Confirm the size on the mail server. • Transmit again in text mode or with lower resolution or divide the document and transmit again. • If the error still occurs, turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2553] Destination mail address error (RFC: 553)

Classification	Error item
RFC related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if there is an illegal character in the mail box in the mail server.

Replace parts	Remarks

[3] Electronic Filing related error**[2B11] JOB status abnormality****[2B20] File library function error****[2B30] Insufficient disk space in BOX partition****[2BC0] Fatal failure occurred**

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Erase some data in the Electronic Filing or the shared folder and perform the job in error again (in case of [2B30]). • Turn the power OFF and then back ON. Perform the job in error again. • Check that there is no other job in progress, and format the HDD with [5] + [C] + [POWER]. • If the recovery is still not completed, replace the SYS board.

Replace parts	Remarks
SYS board	

[2B31] Status of specified Electronic Filing or folder is undefined or being created/deleted

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the specified Electronic Filing or folder exists. (If no, this error would not occur.) • Delete the specified Electronic Filing or folder. • Perform the job in error again. • If the specified box/folder cannot be deleted, initialize the Electronic Filing with [5] + [C] + [POWER].

Replace parts	Remarks

[2B50] Image library error
[2B90] Insufficient memory capacity

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • If the error still occurs, replace the main memory. • Delete the job in progress or being set or in the HOLD/PRIVATE/PROOF/INVALID, and retry the job in error. • Check that there is no other job in progress, and initialize the Electronic Filing with [5] + [C] + [POWER].

Replace parts	Remarks

[2B51] List library error

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the Function list can be printed. • If it can be printed, retry the job which was in error. • If it cannot be printed, replace the main memory. • If it still cannot be recovered, format the HDD with [5] + [C] + [POWER].

Replace parts	Remarks

[2BA0] Invalid Box password

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the password is correct. • Reset the password. • When this error occurs when printing the data in the Electronic Filing, perform the printing with the administrator's password. • If it still cannot be recovered, or a password for the operation other than printing is invalid, initialize the Electronic Filing with [5] + [C] + [POWER].

Replace parts	Remarks

[2BA1] A paper size or a color mode not supported in the Electronic Filing function is being selected.

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • The specified paper size, color mode or resolution cannot be used. Check the setting.

Replace parts	Remarks

[2BB1] Power failure**[2BD0] Power failure occurred during restoring of Electronic Filing**

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the power cable is connected properly and it is inserted securely. • Check if the power voltage is unstable.

Replace parts	Remarks

[2BE0] Machine parameter reading error

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2BF0] Exceeding maximum number of pages

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reduce the number of inserting pages and perform the job again.

Replace parts	Remarks

[2BF1] Exceeding maximum number of documents

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Backup the documents in the box or folder to PC or delete them.

Replace parts	Remarks

[2BF2] Exceeding maximum number of folders

Classification	Error item
Electronic Filing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Backup the folders in the box or folder to PC or delete them.

Replace parts	Remarks

[4] Remote scanning related error

[2A20] System management module resource acquiring failure

Classification	Error item
Remote scanning related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Retry the job in error. If the error still occurs, turn the power OFF and then back ON, then retry the job in error.

Replace parts	Remarks

[2A31] Disabled WS Scan

Classification	Error item
Remote scanning related error	A job is performed while WS Scan function is disabled.

Check item	Measures
Setting	Check if WS Scan (Web Scanning Services) function is disabled on the TopAccess screen. If it is disabled, enable it.

Replace parts	Remarks

[2A40] System error

Classification	Error item
Remote scanning related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Turn the power OFF and then back ON, then retry the job in error.

Replace parts	Remarks

[2A51] Power failure

Classification	Error item
Remote scanning related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the power supply voltage is inconstant.

Replace parts	Remarks

[2A60] WS Scan user authentication failure

Classification	Error item
Remote scanning related error	WS Scan for job authentication failed.

Check item	Measures
Setting	<ul style="list-style-type: none"> When "1" (TEC's WIA driver) is set for 08-9749 and also Windows Fax&Scan is used Check if the user name that you used to log in Windows is a name registered as a user. When MFP panel or EWB Scan is used Check if the login user name is a name registered as a user.

Replace parts	Remarks

[2A70] Remote Scan privilege check error

Classification	Error item
Remote scanning related error	A job is performed by a user without Remote Scan privilege.

Check item	Measures
Setting	Check if correct privilege is given to the user.

Replace parts	Remarks

[2A71] WS Scan privilege check error

Classification	Error item
Remote scanning related error	A job is performed by a user without WS Scan privilege.

Check item	Measures
Setting	Check if correct privilege is given to the user.

Replace parts	Remarks

[2A72] e-Filing data access privilege check error (Scan Utility)

Classification	Error item
Remote scanning related error	A user without e-Filing data access privilege tried to use Scan utility.

Check item	Measures
Setting	Check if correct privilege is given to the user.

Replace parts	Remarks

[5] E-mail related error**[2C10] System access abnormality****[2C32] File deletion failure**

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • If the error still occurs, check that there is no job, and format the HDD with [5] + [C] + [POWER].

Replace parts	Remarks

[2C11] Insufficient memory

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> When there are running jobs, perform the job in error again after the completion of the running jobs. If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[2C12] Message reception error
[2C13] Message transmission error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2C14] Invalid parameter

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> When a template is used, form the template again. If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[2C15] Exceeding file capacity

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset and extend the "Maximum send to E-mail/FAX size" or reduce the number of pages and perform the job again.

Replace parts	Remarks

[2C20] System management module access abnormality**[2C21] Job control module access abnormality****[2C22] Job control module access abnormality**

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • Check that there is no other job in progress, and format the HDD with [5] + [C] + [POWER]. • If the recovery is still not completed, replace the SYS board.

Replace parts	Remarks

[2C30] Directory creation failure**[2C31] File creation failure****[2C33] File access failure**

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the access privilege to the storage directory is writable. • Check if the server or local disk has a sufficient space in disk capacity.

Replace parts	Remarks

[2C40] Image conversion abnormality**[2C62] Memory acquiring failure**

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • Replace the main memory and perform the job again.

Replace parts	Remarks
Main memory	

[2C43] Encryption error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2C44] Encryption PDF enforced mode error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the encryption and perform the job in error again. If an image file not encrypted is created, consult your administrators.

Replace parts	Remarks

[2C45] Meta data creation error (Scan to Email)

Classification	Error item
E-mail related error	Creation of meta data failed when a user tried to perform meta scan for Scan to Email.

Check item	Measures
Setting	Check the template settings. Perform the job in error again. If the error still occurs, turn the power OFF and then back ON, and then perform the job in error again.

Replace parts	Remarks

[2C60] HDD full failure during processing

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Delete the job in progress or being set or in the HOLD/PRIVATE/PROOF/INVALID, and perform it again. Check if the server or local disk has a sufficient space in disk capacity. Check that there is enough space in the server or local disk.

Replace parts	Remarks

[2C61] Address Book reading failure

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Turn the power OFF and then back ON. Perform the job in error again. Reset the data in the Address Book and perform the job again.

Replace parts	Remarks

[2C63] Terminal IP address unset

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the Terminal IP address. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2C64] Terminal mail address unset

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the Terminal mail address. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2C65] SMTP address unset

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the SMTP address and perform the job. Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2C66] Server time-out error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the SMTP server is operating properly.

Replace parts	Remarks

[2C69] SMTP server connection error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the login name and password of SMTP server and perform the job again. Check if the SMTP server is operating properly.

Replace parts	Remarks

[2C6A] HOST NAME error (No RFC error)

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if there is an illegal character in the device name. • Delete the illegal character and reset the appropriate device name.

Replace parts	Remarks

[2C6B] Terminal mail address error

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the SMTP Authentication method. • Check if there is an illegal character in the Terminal mail address. • Set the correct SMTP Authentication method or delete the illegal character and reset the appropriate Terminal mail address, then perform the job again.

Replace parts	Remarks

[2C6C] Destination mail address error (No RFC error)

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if there is an illegal character in the Destination mail address. • Delete the illegal character and reset the appropriate Destination mail address, then perform the job again.

Replace parts	Remarks

[2C70] SMTP client OFF

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Set the SMTP valid and perform the job again.

Replace parts	Remarks

[2C71] SMTP authentication ERROR

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check that SMTP authentication method, login name and password are correct, then perform authentication again.

Replace parts	Remarks

[2C72] POP Before SMTP ERROR

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check that both the POP Before SMTP setting and POP3 setting are correct, then perform authentication again.

Replace parts	Remarks

[2C80] E-mail transmission failure when processing E-mail job received

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reset the "Received InternetFax Forward".

Replace parts	Remarks

[2C81] Process failure of FAX job received

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reset the setting of the mail box or "Received InternetFax Forward".

Replace parts	Remarks

[2CC1] Power failure

Classification	Error item
E-mail related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the power cable is connected properly and it is inserted securely. • Check if the power voltage is unstable.

Replace parts	Remarks

[6] File sharing related error

[2D10] System access abnormality

[2D32] File deletion failure

[2DA6] File deletion failure

[2DA7] Resource acquiring failure

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Delete some files in the shared folder by using Explorer because of automatic/manual file deletion failure (in case of [2DA6]) • Turn the power OFF and then back ON. Perform the job in error again. • If the error still occurs, check that there is no job, and format the HDD with [5] + [C] + [POWER].

Replace parts	Remarks

[2D11] Insufficient memory

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • When there are running jobs, perform the job in error again after the completion of the running jobs. • If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[2D12] Message reception error

[2D13] Message transmission error

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2D14] Invalid parameter

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> When a template is used, form the template again. If the error still occurs, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[2D15] Exceeding the maximum size for file sharing

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Divide the file in error into several files and retry. Or retry the job in a single-page format.

Replace parts	Remarks

[2D30] Directory creation failure

[2D31] File creation failure

[2D33] File access failure

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the access privilege to the storage directory is writable. • Check if the server or local disk has a sufficient space in disk capacity.

Replace parts	Remarks

[2D40] Image conversion abnormality

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again. • Replace the main memory and perform the job again. • If the error still occurs, check that there is no job, and initialize the shared folder with [5] + [C] + [POWER].

Replace parts	Remarks

[2D43] Encryption error

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2D44] Encryption PDF enforced mode error

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reset the encryption and perform the job in error again. • If an image file not encrypted is created, consult your administrators.

Replace parts	Remarks

[2D45] Meta data creation error (Scan to File)

Classification	Error item
File sharing related error	Creation of meta data failed when a user tried to perform meta scan for Scan to File.

Check item	Measures
Setting	Check the template settings. Perform the job in error again. If the error still occurs, turn the power OFF and then back ON, and then perform the job in error again.

Replace parts	Remarks

[2D62] File server connection error

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the IP address or path of the server. • Check if the server is operating properly.

Replace parts	Remarks

[2D63] Invalid network path

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the network path. • If the path is correct, turn the power OFF and then back ON, and perform the job again.

Replace parts	Remarks

[2D64] Login failure

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the login name and password. Perform the job. Check if the account of the server is properly set up.

Replace parts	Remarks

[2D65] Exceeding documents in folder: Creating new document is failed

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Delete some documents in the folder.

Replace parts	Remarks

[2D66] Storage capacity full failure during processing

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Delete the job in progress or being set or in the HOLD/PRIVATE/PROOF/INVALID, and perform it again. Check if the server or local disk has a sufficient space in disk capacity. Check that there is enough space in the server or local disk.

Replace parts	Remarks

[2D67] FTP service not available

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the setting of FTP service is valid.

Replace parts	Remarks

[2D68] File sharing service not available

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the setting of SMB is valid.

Replace parts	Remarks

[2D69] NetWare service not available

Classification	Error item
File sharing related error	When a user tried to perform Scan to File with NetWare protocol even though the NetWare setting is disabled, a message notifies the user that NetWare service is disabled.

Check item	Measures
Setting	Check if the Netware setting is enabled.

Replace parts	Remarks

[2DC1] Power failure

Classification	Error item
File sharing related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check if the power cable is connected properly and it is inserted securely. Check if the power voltage is unstable.

Replace parts	Remarks

[2E10] USB storage system access abnormality

Classification	Error item
File sharing related error	Job status is invalid.

Check item	Measures
Setting	<p>Turn the power OFF and then back ON. Perform the job in error again.</p> <p>If the error still occurs, check that there is no job, and format the HDD with [5] + [C] + [POWER].</p>

Replace parts	Remarks

[2E11] Insufficient memory capacity for USB storage

Classification	Error item
File sharing related error	Memory in the USB folder is not sufficient.

Check item	Measures
Setting	If there is a job in progress, perform the job in error again after the job in progress is finished. If the error still occurs, turn the power OFF and then back ON, and then perform the job in error again.

Replace parts	Remarks

[2E12] Message reception error in USB storage

[2E13] Message transmission error in USB storage

Classification	Error item
File sharing related error	Job status is invalid.

Check item	Measures
Setting	Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2E14] Invalid parameter for USB storage

Classification	Error item
File sharing related error	The specified parameter is invalid.

Check item	Measures
Setting	If a template is being used, recreate the template. If the error still occurs, turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2E15] Exceeding maximum file capacity

Classification	Error item
File sharing related error	There are too many files in the folder.

Check item	Measures
Setting	Delete some files in the folder. Perform the job in error again.

Replace parts	Remarks

[2E30] Directory creation failure in USB storage

Classification	Error item
File sharing related error	Creation of a directory failed.

Check item	Measures
Setting	Check if access privilege to the storage directory is writable. Check if the server or local disk has sufficient space in its disk capacity.

Replace parts	Remarks

[2E31] File creation failure in USB storage

Classification	Error item
File sharing related error	Creation of a file failed.

Check item	Measures
Setting	Check if access privilege to the storage directory is writable. Check if the server or local disk has sufficient space in its disk capacity.

Replace parts	Remarks

[2E32] File deletion failure in USB storage

Classification	Error item
File sharing related error	Deletion of a file failed.

Check item	Measures
Setting	Turn the power OFF and then back ON. Perform the job in error again. If the error still occurs, check that there is no job, and format the HDD with [5] + [C] + [POWER].

Replace parts	Remarks

[2E33] File access failure in USB storage

Classification	Error item
File sharing related error	Access to a file failed.

Check item	Measures
Setting	Check if access privilege to the storage directory is writable. Check if the server or local disk has sufficient space in its disk capacity.

Replace parts	Remarks

[2E40] Image conversion abnormality in USB storage

Classification	Error item
File sharing related error	Conversion of image file format failed.

Check item	Measures
Setting	Turn the power OFF and then back ON. Perform the job in error again. Replace the main memory and then perform the job in error again.

Replace parts	Remarks

[2E43] Encryption failure in USB storage

Classification	Error item
File sharing related error	Creation of a file failed due to PDF encryption error.

Check item	Measures
Setting	Turn the power OFF and then back ON. Perform the job in error again.

Replace parts	Remarks

[2E44] Encryption PDF enforced mode error in USB storage

Classification	Error item
File sharing related error	Creation of an image file is not permitted.

Check item	Measures
Setting	Reset the encryption and perform the job in error again. To create an image file not encrypted, consult your administrator.

Replace parts	Remarks

[2E45] Meta data creation error in USB storage (Scan to File)

Classification	Error item
File sharing related error	Creation of meta data failed.

Check item	Measures
Setting	Check the template settings. Perform the job in error again. If the error still occurs, turn the power OFF and then back ON, and then perform the job in error again.

Replace parts	Remarks

[2E65] File creation error due to insufficient USB folder capacity

Classification	Error item
File sharing related error	Creation of a new file failed because there were too many files in the USB folder

Check item	Measures
Setting	Delete unnecessary files in the folder.

Replace parts	Remarks

[2E66] HDD full failure in USB storage

Classification	Error item
File sharing related error	HDD became full while storing data in HDD.

Check item	Measures
Setting	Delete the job in progress or being set or in the HOLD/PRIVATE/PROOF/INVALID, and perform it again. Check if the server or local disk has a sufficient space in disk capacity. Check that there is enough space in the USB memory.

Replace parts	Remarks

[2EC1] Power failure in USB storage

Classification	Error item
File sharing related error	Power failure occurred.

Check item	Measures
Setting	Check if the power cable is connected properly and inserted securely. Check if the power voltage is unstable.

Replace parts	Remarks

[7] E-mail reception related error

[3A10] E-mail MIME error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The format of the mail is not corresponding to MIME 1.0. Request the sender to retransmit the mail in the format corresponding to MIME 1.0.

Replace parts	Remarks

[3A20] E-mail analysis error

[3B10] E-mail format error

[3B40] E-mail decode error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> These errors occur when the mail data is damaged from the transmission to the reception of the mail. Request the sender to retransmit the mail.

Replace parts	Remarks

[3A30] Partial mail time-out error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The partial mail is not received in a specified period of time. Request the sender to retransmit the partial mail, or set the time-out period of the partial mail longer.

Replace parts	Remarks

[3A40] Partial mail related error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The format of the partial mail is not corresponding to this equipment. Request the sender to remake and retransmit the partial mail in RFC2046 format.

Replace parts	Remarks

[3A50] Insufficient HDD capacity error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> These errors occur when the HDD capacity is not sufficient for a temporary concentration of the jobs, etc. Request the sender to retransmit after a certain period of time, or divide the mail into more than one. Insufficient HDD capacity error also occurs when printing is disabled for no printing paper. In this case, supply the printing paper.

Replace parts	Remarks

[3A70] Warning of partial mail interruption

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> This error occurs when the partial mail reception setting becomes OFF during the partial mail reception. Reset the partial mail reception setting ON and then request the sender to retransmit the mail.

Replace parts	Remarks

[3A80] Partial mail reception setting OFF

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Reset the partial mail reception setting ON and then request the sender to retransmit the mail.

Replace parts	Remarks

[3B20] Content-Type error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The format of the attached file is not supported by this equipment (TIFF-FX). Request the sender to retransmit the file in TIFF-FX.

Replace parts	Remarks

[3C10] TIFF analysis error**[3C13] TIFF analysis error**

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> These errors occur when the mail data is damaged from the transmission to the reception of the mail, or when the format of the attached file is not supported by this equipment (TIFF-FX). Request the sender to retransmit the mail.

Replace parts	Remarks

[3C20] TIFF compression error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The compression method of the TIFF file is not acceptable for this equipment. (Acceptable: MH/MR/MMR/JBIG) Request the sender to retransmit the file in the acceptable compression method.

Replace parts	Remarks

[3C30] TIFF resolution error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The resolution of the TIFF file is not acceptable for this equipment. (Acceptable: 200 x 100, 200 x 200, 200 x 400, 400 x 400, 300 x 300 or equivalent) Request the sender to retransmit the file in the acceptable resolution.

Replace parts	Remarks

[3C40] TIFF paper size error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The paper size of the TIFF file is not acceptable for this equipment. (Acceptable: A4, B4, A3, B5, LT, LG, LD or ST) Request the sender to retransmit the file in the acceptable paper size.

Replace parts	Remarks

[3C50] Offramp destination error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> These errors occur when the FAX number of the offramp destination is incorrect. Request the sender to correct the FAX number of offramp destination and then retransmit the mail.

Replace parts	Remarks

[3C60] Offramp security error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • These errors occur when the FAX number of the offramp destination is not on the Address Book. • Check if the FAX number of the offramp destination is correctly entered or the number has not been changed.

Replace parts	Remarks

[3C70] Power failure error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the mail is recovered after turning ON the power again. • Request the sender to retransmit the mail if it is not recovered.

Replace parts	Remarks

[3D10] Destination address error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the setting of the server or DNS is correct. Correct if any of the setting is incorrect. • When the content of the setting is correct, confirm the sender if the destination is correct.

Replace parts	Remarks

[3D20] Offramp destination limitation error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Inform the sender that the transfer of the FAX data over 40 is not supported.

Replace parts	Remarks

[3D30] FAX board error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• This error occurs when the FAX board is not installed or the FAX board has an abnormality.• Check if the FAX board is correctly connected.

Replace parts	Remarks

[3E10] POP3 server connection error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Check if the IP address or domain name of the POP3 server set for this equipment is correct, or check if POP3 server to be connected is operating properly.

Replace parts	Remarks

[3E20] POP3 server connection time-out error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none">• Check if POP3 server to be connected is operating properly.• Check if the LAN cable is correctly connected.

Replace parts	Remarks

[3E30] POP3 login error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the POP3 server login name and password set for this equipment are correct.

Replace parts	Remarks

[3E40] POP3 Login Type ERROR

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check that the login type (Auto, POP3 or APOP) to the POP3 server is correct.

Replace parts	Remarks

[3F10] File I/O error

[3F20] File I/O error

Classification	Error item
E-mail reception related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • These errors occur when the mail data is not transferred properly to the HDD. • Request the sender to retransmit the mail. • Replace the HDD if the error still occurs after retransmission.

Replace parts	Remarks

8.3.25 Printer function error

[4011] Print job cancellation

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none">This message appears when deleting the job on the screen.

[4021] Print job power failure

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none">When there are running jobs, perform the job in error again after the completion of the running jobs.If the error still occurs, turn the power OFF and then back ON, and perform the job again.

[4031] HDD full error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none">Delete unnecessary private print jobs and invalid department print jobs.

[4041] User authentication error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none">Perform the authentication or register as a user, and then perform the printing again.

[4042] Department authentication error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none">Check department information registered in this equipment.

[4045] Problem in LDAP server connection or LDAP server authorization settings

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Confirm the administrator for the LDAP server connection or LDAP server authorization settings.

[4111] Quota over error (The number of the assigned pages set by department and user management has reached 0.)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The number of the assigned pages set by the department and the number of those assigned by user management have both reached 0. Assign the number of the pages again or perform initialization.

[4112] Quota over error (The number of the assigned pages set by user management has reached 0.)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The number of the assigned pages set by the user management has reached 0. Assign the number of the pages again or perform initialization.

[4113] Quota over error (The number of the assigned pages set by department management has reached 0.)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The number of the assigned pages set by the department management has reached 0. Assign the number of the pages again or perform initialization.

[4121] Job canceling due to external counter error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ol style="list-style-type: none"> 1. Drop a coin in. Perform the print job in error again. 2. Insert a key card and then perform the print job in error again, or consult your administrator. 3. Insert a key copy counter and then perform the print job in error again. 4. Reset the scheduled print job and then perform the print job in error again.

[4211] Printing data storing limitation error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Select "Normal Print", and then perform the printing again.

[4212] e-Filing storing limitation error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Select "Normal Print", and then perform the printing again.

[4213] File storing limitation error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • The file storing function is set to "disabled". Check the setting of the equipment.

[4214] Fax/Internet Fax transmission limitation error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the settings of this equipment.

[4221] Private-print-only error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Select "Private", and then perform the printing again.

[4231] Hardcopy security printing error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Hardcopy security printing cannot be performed because the function is restricted in the self-diagnosis mode.

[4311] Not being authorized to perform JOB

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Confirm the administrator for the JOB authorization.

[4312] Not authorized to store a file

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The user has not been authorized to perform this operation. Ask your administrator.

[4313] No privilege for e-Filing storage

[4314] No privilege for Fax / Internet Fax transmission

[4321] No privilege for print settings

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Check the privilege given, or request the administrator to add the necessary privilege.

[4411] Image data creation failure)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<p>Check if the file to be printed is broken. Perform printing again or use another printer driver.</p> <ul style="list-style-type: none"> • Network print: Perform the print job in error again, or use another printer driver (e.g.; PS3, Universal). • Direct print: Check if the file is corrupted (e.g. checking if the file is displayed on your PC monitor), or check if the file format is supported by this equipment.

[4412] Double-sign encoding error

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Printing using this function cannot be performed due to a decoding process error which occurs because the PDF file is encrypted incorrectly or encrypted in a language not supported.

[4611] Font download failure (reached the registration limit)

[4612] Font download failure (HDD full)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Delete one or more font already registered.

[4613] Font download failure (others)

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Reattempt the downloading. Recreate font data and reattempt the downloading.

[4621]Font deletion failure

Classification	Error item
Printer function error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the font to be deleted is registered (or pre-registered) in this equipment.

[4F10] System abnormality

Classification	Error item
Printer function error	Printing was not performed successfully due to other abnormalities.

Check item	Measures
Setting	<ol style="list-style-type: none">1. Perform the job in error again. If the error still occurs, turn the power OFF and then back ON, and perform the job again.2. Collect the debug log with USB media. P. 8-23. Initialize HDD. Refer to step 3 and later in "[E] Replace / Format HDD" in P. 9-25.

8.3.26 TopAccess related error/Communication error with external application

[5010] Internal setting error

Classification	Error item
Communication error with external application	There is a print job, a proof print job, a private print job, a print job without a set department code, a scan job or a fax job remaining in this equipment.

Check item	Measures
Setting	Delete the remaining jobs. Turn the power OFF and then back ON. Until the initial registration is begun, do not press any button on the control panel or start any print or fax job.

Replace parts	Remarks

[5012] TOSHIBA Remote monitoring system error (Authentication error)

Classification	Error item
Communication error with external application	A temporary password downloaded from e-Bridge and entered in this equipment is not valid, or the permanent password set in the e-Bridge is not valid.

Check item	Measures
Setting	Perform the job again at a later date.

Replace parts	Remarks

[5013] TOSHIBA Remote monitoring system error (e-Bridge communication error)

Classification	Error item
Communication error with external application	Communication is attempted while the e-Bridge is enabled for some reason such as version upgrade.

Check item	Measures
Setting	Check if the MFP is connected to the eBR2 server.

Replace parts	Remarks

[5014] TOSHIBA Remote monitoring system error (No SSL certificate)

Classification	Error item
Communication error with external application	There is no SSL certificate or the certificate is not in a correct file format.

Check item	Measures
Setting	Install the correct SSL certificate.

Replace parts	Remarks

[5015] TOSHIBA Remote monitoring system error (Invalid SSL certificate)

Classification	Error item
Communication error with external application	SSL certificate is not valid.

Check item	Measures
Setting	Install the correct SSL certificate.

Replace parts	Remarks

[5016] TOSHIBA Remote monitoring system error (Expired SSL certificate)

Classification	Error item
Communication error with external application	SSL certificate is expired.

Check item	Measures
Setting	Set the correct time.

Replace parts	Remarks

[5017] TOSHIBA Remote monitoring system error (Other SSL certificate related error)

Classification	Error item
Communication error with external application	SSL certificate is invalid.

Check item	Measures
Setting	Install the correct SSL certificate.

Replace parts	Remarks

[5018] TOSHIBA Remote monitoring system error (Invalid DNS error)

Classification	Error item
Communication error with external application	DNS address is invalid.

Check item	Measures
Setting	Set the correct DNS address. If any setting is needed in DNS, consult your administrators.

Replace parts	Remarks

[5019] TOSHIBA Remote monitoring system error (Connection error)

Classification	Error item
Communication error with external application	Settings for initial URL and proxy are incorrect.

Check item	Measures
Setting	Perform the correct settings for initial URL and proxy.

Replace parts	Remarks

[501A] TOSHIBA Remote monitoring system error (Proxy error)

Classification	Error item
Communication error with external application	IP address or port for proxy setting is invalid.

Check item	Measures
Setting	Set the correct IP address or port for the proxy setting. If any setting is needed in proxy, consult your administrators.

Replace parts	Remarks

[501B] TOSHIBA Remote monitoring system error (No URL (host/port) or invalid path)

Classification	Error item
Communication error with external application	Initial URL is invalid.

Check item	Measures
Setting	Set the correct initial URL.

[5030] TOSHIBA Remote monitoring system error (HTTP communication error)

Classification	Error item
Communication error with external application	An error in the HTTP communication

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check the URL for communication. • Check that the valid IP address is assigned to connect to the server.

[50FF] TOSHIBA Remote monitoring system error (eBR2 internal error)

Classification	Error item
MFP internal error	A fatal error occurred in the MFP

Check item	Measures
Setting	Restart the MFP, and then try again.

[5110] Toner cartridge detection error

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the toner cartridge is installed properly. • Check if the toner cartridge detection sensor operates properly.

[5410] MFP registration error / TOSHIBA Global remote monitoring system error

Classification	Error item
MFP registration error	An invalid registration by accessing a cloud server using a valid serial No. of the equipment has been performed. Or database in the cloud server has been damaged. The MFP is not registered on the cloud server.

Check item	Measures
Setting of a cloud server	Retry the registration. Contact the administrator of the cloud server.

[5411] MFP registration lock error / TOSHIBA Global remote monitoring system error

Classification	Error item
MFP registration error	Data to be sent to a cloud server from the equipment has been damaged or incorrect authentication data have been sent. Or TOSHIBA equipment which has not been supported by the cloud server has been tried to be registered.

Check item	Measures
None	Contact the administrator of the cloud server.

[5412] Server busy error / TOSHIBA Global remote monitoring system error

Classification	Error item
Server busy error	The server cannot handle periodic communication from the equipment due to overloading. This phenomenon occurs when a busy signal is sent from the server at the start of the periodic communication of the equipment.

Check item	Measures
None	Not required

[5413] Server error / TOSHIBA Global remote monitoring system error

Classification	Error item
Server error	A fatal error has occurred on the cloud server.

Check item	Measures
Setting of a cloud server	Contact the administrator of the cloud server.

[5414] Invalid device file error / TOSHIBA Global remote monitoring system error

Classification	Error item
Invalid device file	A device file to be sent to a cloud server from the equipment has been damaged.

Check item	Measures
Communication environment	connection of network devices. If there is no problem with the network environment, reinstall the system software.

[5415] Communication error / TOSHIBA Global remote monitoring system error

Classification	Error item
Communication error	Communication with a cloud server has failed.

Check item	Measures
Setting	Check the connection and the settings of network devices and the cloud server.

[5416] Setting files / system software update error / TOSHIBA Global remote monitoring system error

Classification	Error item
Update failure of system software / setting files of the equipment	The system software and the setting files of the equipment cannot be updated because there is an ongoing job.

Check item	Measures
Communication environment	Retry the update of the setting files and the system software. If the same error occurs more than one time, contact the administrator of the cloud server.

[5417] System software error / TOSHIBA Global remote monitoring system error

Classification	Error item
Invalid system software / setting files of the equipment	The system software and the setting files of the equipment that have been downloaded from a cloud server have been damaged.

Check item	Measures
Communication environment	Retry the downloading of the setting files and the system software. Check if the network cable is disconnected. Check the connection of network devices. If there is no problem with the network environment, contact the administrator of the cloud server.

[5BD0] Power failure during restoration

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the power cable is connected properly and is inserted securely. • Check if the power voltage is unstable. • Reattempt the restoration of the database (Address Book, templates, F-code (Mailbox) or user information).

Replace parts	Remarks

[5C10] FAX Unit attachment error

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Check if the FAX Unit is attached. • Check if there is any damage or abnormality on the FAX board. • Check if the connector on the FAX board is connected properly.

Replace parts	Remarks

[5C11] FAX Unit attachment error

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> The address specified for the network FAX is not registered on the Address Book. Register it.

Replace parts	Remarks

[5C20] Data import from TopAccess succeeded

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Data (Address book, department or user information) have been imported successfully. No troubleshooting is required.

Replace parts	Remarks

[5C21] Error in data import from TopAccess

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> Data import failed because the specified file (Address Book, department or user information) is incorrect or damaged. Check if the file is incorrect or damaged, and then reattempt the import.

Replace parts	Remarks

[5C22] Error in data import from TopAccess

Classification	Error item
TopAccess related error	

Check item	Measures
Setting	<ul style="list-style-type: none"> • Data import failed because the specified file (Address Book, department or user information) is incorrect or damaged. Check if the file is incorrect or damaged, and then reattempt the import. • Check that no jobs remain and rebuild the databases ([5] + [C] + [POWER] ON -> [4] -> [1] LDAP DB or [2] Log DB(Job,Msg)). • If the error is not recovered, initialize the HDD ([5] + [C] + [POWER] ON -> [3] -> [1]). <p>Notes:</p> <ul style="list-style-type: none"> • If the database is rebuilt with jobs remaining, be sure to delete them after the rebuild. • When “Rebuilding all databases ([5] + [C] + [POWER] ON -> [4] -> [1] LDAP DB)” is performed, all the data in the User, Role, Group, department information and Address Book are deleted. If you back up the data in advance, they will be recovered by restoring them after rebuilding the database.

Replace parts	Remarks

8.3.27 MFP access error

[6007] Unsuccessful User Login to MFP

Classification	Error item
MFP access error	User authentication cannot be done because connection to the authentication server has failed.

Check item	Measures
Setting	Check if the operating status of the server and connection from an MFP have been confirmed.

[6008] Failed to connect on External Role Base Access Control (LDAP) Server

Classification	Error item
MFP access error	User authentication cannot be done because connection to an external RBAC server has failed.

Check item	Measures
Setting	Check if the operating status of the server and connection from the MFP have been confirmed.

[6013] Connection failure to the authentication server

Classification	Error item
MFP access error	Failed to connect to the authentication server

Check item	Measures
Setting	Check that the server setting is proper by accessing [TopAccess]->[Administration]->[Maintenance]->[Directory Service]. When "Auto" is selected as the authentication method, this error may output to the log depending on the environment.

[6014] The authentication server that cannot be accessed is detected.

Classification	Error item
MFP access error	The authentication server that cannot be accessed is detected.

Check item	Measures
Setting	Check if the authentication server is down since the access to the authentication server is not available. The unavailable authentication server is accessed again if the time set in 08-8788 passes or the power of the equipment is turned OFF and back ON.

[6032] Card related error: Expired card

Classification	Error item
MFP access error	The card cannot be used because it has expired.

Check item	Measures
Setting	Use a card with a valid expiration.

[6033] Card related error: Invalid flag data (no room-entry data)

Classification	Error item
MFP access error	The card cannot be used because no room-entry data are recorded in it.

Check item	Measures
Setting	Use a correct card that has been used for entering the room.

[6034] Card related error: Invalid flag data (invalid card data)

Classification	Error item
MFP access error	The card cannot be used because the data required for the use of the card are not correctly set.

Check item	Measures
Setting	Use a valid card.

[6041] Card authentication: Card related error

Classification	Error item
MFP access error	Card data cannot be obtained correctly.

Check item	Measures
Setting	Reattempt scanning. If the error still occurs after reattempting scanning for several times, card data may be corrupted or the card reader may be out of order.

[6042] Card authentication: Card setting error

Classification	Error item
MFP access error	The self-diagnostic code required for card authentication is not set in this equipment correctly.

Check item	Measures
MFP access error	Set the correct self-diagnostic code.

[6121] Automatic Secure Erase failure

Classification	Error item
MFP access error	The automatic secure erase fails.

Check item	Measures
Setting	Data overwriting failed for some reason. If the error still occurs after rebooting the equipment, start up using the following procedure:[3] + [C] + [POWER] → 3. HDD formatting → Reinstallation of software or HDD replacement

[6131] MFP fail to verify clock with Time Server

Classification	Error item
MFP access error	The clock in MFP cannot be synchronized with the time server.

Check item	Measures
Setting	<ul style="list-style-type: none">• Check that the time server is properly operating.• Check that the path to the time server is properly operating.• Check that the following is correctly set: TopAccess -> [Administrator] -> [Setup] -> [General] -> [SNTP Service]

8.3.28 Maintenance error

[7101] System firmware installation failure

[7103] Engine firmware installation failure

[7105] Scanner firmware installation failure

[7111] Patch installation failure

[7113] Plug-in installation failure

[7115] HDD data installation failure

[7117] DF firmware installation failure

[7119] PFC firmware installation failure

Classification	Error item
Maintenance error	System firmware installation failed. ([7101]) Engine firmware installation failed. ([7103]) Scanner firmware installation failed. ([7105]) Patch installation failed. ([7111]) Plug-in installation failed. ([7113]) HDD data installation failed. ([7115]) DF firmware installation failed. ([7117]) PFC firmware installation failed. ([7119])

Check item	Measures
Setting	Software package file may have a problem or may be corrupted. Check the software package file and then reattempt the installation.

Replace parts	Remarks

[7109] Printer driver update failure

Classification	Error item
Maintenance error	Printer driver upload failed.

Check item	Measures
Setting	Printer driver file may have a problem or may be corrupted. Check the package file and then reattempt the upload.

[710B] Point and Print data installation failure

Classification	Error item
Maintenance error	Point and Print data upload failed.

Check item	Measures
Setting	Point and Print data may have a problem or may be corrupted. Check the package file and then reattempt the upload.

[710F] Language Pack installation failure

Classification	Error item
Maintenance error	Language Pack installation failed.

Check item	Measures
Setting	Language Pack file may have a problem or may be corrupted. Check the package file and then reattempt the installation.

[711D] License key returning failure

Classification	Error item
Maintenance error	The one-time dongle license fails to be returned to USB media.

Check item	Measures
Setting	Return the license to the USB media used for installing the license. Check that the USB media is correctly installed. Notes: The GP-1080 IPsec Enabler cannot return to the USB media due to license problem. The GP-1070 Overwrite Enabler cannot return to the USB media in the high security (08-8911: 3).

[711F] License key installation failure

Classification	Error item
Maintenance error	The one-time dongle license fails to be installed.

Check item	Measures
Setting	Check that the USB media is correctly installed.

[71A4] Cryptographic key consistency confirmation failure

Classification	Error item
Maintenance error	Cryptographic key consistency confirmation failed.

Check item	Measures
Setting	Start up the equipment in the following procedure:[3] + [C] + [POWER] → 5. Key Backup RestoreThen overwrite the corrupted license key with a normal one.

[71AA] Unidentified error during certificate acquisition from SCEP server

Classification	Error item
Maintenance error	Unidentified error occurred during certificate acquisition from SCEP server.

Check item	Measures
Setting	Check SCEP server and the SCEP setting (automatic) on the TopAccess screen as follows: TopAccess Administration → Security → Certificate Management

[71AB] Timeout error during certificate acquisition from SCEP server

Classification	Error item
Maintenance error	Timeout error occurred during certificate acquisition from SCEP server.

Check item	Measures
Setting	Check SCEP server and the SCEP setting (automatic) on the TopAccess screen in the following procedure: TopAccess Administration → Security → Certificate Management

[71AC] File save error during certificate acquisition from SCEP server

Classification	Error item
Maintenance error	File save error occurred during certificate acquisition from SCEP server.

Check item	Measures
Setting	File saving failed for some reason. If the error still occurs after rebooting the equipment, start up using the following procedure:[3] + [C] + [POWER] → 3. HDD formatting → Reinstallation of software or HDD replacement

[71B0] Software package file decryption failure

Classification	Error item
Maintenance error	Software package file decryption failed.

Check item	Measures
Setting	Software package file may have a problem or may be corrupted. Check the software package file and then reattempt the installation.

8.3.29 Network error

[8000] Static IPv4 address conflict

Classification	Error item
Network error	IPv4 address overlaps.

Check item	Measures
Setting	Check if the same IP address is not used by other machine.

[8011] Linklocal Address Conflict

Classification	Error item
Network error	Linklocal Address Conflict

Check item	Measures
Setting	Check if the same IP address is not used by other machine.

[8012] Manual Address Conflict

Classification	Error item
Network error	Manual IPv6 Address Conflict

Check item	Measures
Setting	Check if the same IP address is not used by other machine.

[8013] Stateless Address Conflict

Classification	Error item
Network error	Stateless Address Conflict

Check item	Measures
Setting	Check if the same IP address is not used by other machine.

[8014] Stateful Address Conflict

Classification	Error item
Network error	Stateful Address Conflict

Check item	Measures
Setting	Check if the same IP address is not used by other machine.

[8022] Authentication Failure

Classification	Error item
Network error	Failed in 802.1X authentication.

Check item	Measures
Setting	Check the user credential.

[8023] Can not contact Authentication Server/Switch

Classification	Error item
Network error	Failed in connection to authentication server and switch.

Check item	Measures
Setting	Check connectivity to switch or server.

[8024] Certificate verification Failure

Classification	Error item
Network error	Failed in verification of certificate.

Check item	Measures
Setting	Check if a valid certificate is installed.

[8031] IKEv1 certification failed

Classification	Error item
Network error	Ipssec error for ikev1 certification failed

Check item	Measures
Setting	Check <ol style="list-style-type: none"> 1. CA and user certificate in both MFP and remote peer - certificate timestamp and IPsec Certificate template should be valid. 2. CRL DP server name is mapped in MFP's host table or DNS entry. 3. Certificate against CRL.

[8032] IKEv1 wrong proposal choosen

Classification	Error item
Network error	Ipssec error for wrong proposal choosen

Check item	Measures
Setting	Check the IKEv1 IPsec proposal parameters (like encryption/ authentication algorithms, DH group, authentication methods) in MFP and peer machine.

[8033] IKEv1 shared key authentication failed

Classification	Error item
Network error	Ipssec error if auth for shared key failed

Check item	Measures
Setting	Mismatch in IKEv1 Pre Shared Key. Check the PSK in MFP and remote machine.

[8034] IKEv1 invalid certificate

Classification	Error item
Network error	Ipssec error if invalid certificate uploaded

Check item	Measures
Setting	Check the CA and User certificate in MFP and peer machine.

[8035] IKEv1 certificate not supported

Classification	Error item
Network error	Ipsec error if certificate not supported

Check item	Measures
Setting	Check the User certificate type.

[8036] IKEv1 invalid certificate authentication

Classification	Error item
Network error	Ipsec error if invalid certificate authentication

Check item	Measures
Setting	Check the CA certificate in MFP and Peer machine.

[8037] IKEv1 certificate unavialable

Classification	Error item
Network error	Ipsec error if certificate are not avialable

Check item	Measures
Setting	Certificate has been deleted from Certificate store. Re-upload the corresponding certificates.

[8038] IKEv1 no SA established

Classification	Error item
Network error	Ipsec error for SA is not present

Check item	Measures
Setting	Check the IKEv1/IPsec proposal parameters (like encryption/ authentication algorithms, DH group, authentication methods) in MFP and peer machine. Check 1. CA and user certificate in both MFP and remote peer - certificate timestamp and IPsec Certificatetem.

[8039] IKEv1 invalid signature

Classification	Error item
Network error	Ipsec error for invalid signaturer for certificate

Check item	Measures
Setting	Mismatch in Signature payload (MAC or IV). Check the CA and user certificate in MFP and peer machine.

[803A] IKEv2 wrong proposal choosen

Classification	Error item
Network error	Ipsec error is proposal choosen is wrong

Check item	Measures
Setting	Check the IKEv2/IPsec proposal parameters (encryption/ authentication algorithms, DH group, authentication methods) in MFP and peer machine.

[803B] IKEv2 Certificate failed

Classification	Error item
Network error	Ipsec error for ikev2 certification failed

Check item	Measures
Setting	Check <ol style="list-style-type: none"> 1. CA and user certificate in both MFP and remote peer - certificate timestamp and IPsec Certificate template should be valid. 2. CRL DP server name is mapped in MFP's host table or DNS entry. 3. Certificate against CRL.

[803C] IKEv2 secret key authentication failed

Classification	Error item
Network error	Ipsec error for ikev2 if secret key auth failed

Check item	Measures
Setting	Mismatch in IKEv2 Pre Shared Key. Check the PSK in MFP and peer machine.

[803D] IKEv2 falling back to IKEv1

Classification	Error item
Network error	Ipsec error if peer dosent support IKEv2 and falling back to IKEv1

Check item	Measures
Setting	Remote machine is not supporting IKEv2. Going back to use IKEv1.

[803E] IKEv2 ISAKMP SA unavialable

Classification	Error item
Network error	Ipsec error if ISAKMP SA is not created of destroyed due to some uncertain condition

Check item	Measures
Setting	Restart IPsec service on Peer and retry.

[803F] IKEv2 cryptographic operation failed

Classification	Error item
Network error	Ipsec error for ikev2 if crypto operation failed

Check item	Measures
Setting	If Certificates are being used, re-upload the corresponding certificates using Security Services. Restart IPsec Service on MFP.

[8040] IKEv2 invalid key information

Classification	Error item
Network error	Ipsec error for ikev2 if key info is invalid

Check item	Measures
Setting	Check IKE settings in MFP and peer.

[8041] IKEv2 CA not trusted

Classification	Error item
Network error	Ipsec error for ikev2 if CA is not trusted

Check item	Measures
Setting	Check the CA certificate in MFP and peer machine. Check the CA certificate timestamp.

[8042] IKEv2 Authentication method mismatch

Classification	Error item
Network error	Ipsec error if auth method is not matching

Check item	Measures
Setting	Mismatch in IKE authentication type. Check the Authentication type in MFP and peer.

[8043] IPsec IKE version mismatch

Classification	Error item
Network error	Ipsec error if ike version is not matching

Check item	Measures
Setting	Mismatch in IKE version. Check the IKE version in MFP and peer.

[8044] IPsec encapsulation mismatch

Classification	Error item
Network error	Ipsec error for encapsulation is not matching

Check item	Measures
Setting	Check the IPsec mode (Transport/Tunnel) in MFP and peer.

[8045] IPsec Peer IP mismatch

Classification	Error item
Network error	Ipsec error for peer ip mismatch

Check item	Measures
Setting	Remote Traffic selector mismatch. Check the destination address/port in IPsec filter.

[8046] IPsec local IP mismatch

Classification	Error item
Network error	Ipsec error for local ip mismatch

Check item	Measures
Setting	Local traffic selector mismatch. Check the source address/port in IPsec filter.

[8047] IPsec local ID mismatch

Classification	Error item
Network error	Ipsec error for local id mismatch

Check item	Measures
Setting	Check the user certificate in MFP

[8048] IPsec Remote ID mismatch

Classification	Error item
Network error	Ipsec error for remote id mismatch

Check item	Measures
Setting	Check the user certificate in peer machine.

[8049] IPsec Remote IP mismatch

Classification	Error item
Network error	Ipsec error for remote ip mismatch

Check item	Measures
Setting	Remote traffic selector mismatch. Check the source address/port in IPsec filter.

[804A] IPsec IKE timeout

Classification	Error item
Network error	Ipsec error for ike timeout

Check item	Measures
Setting	Check the network connectivity between MFP and peer machine. Select the Flush Connections Option and retry.

[804B] IPsec invalid manual key

Classification	Error item
Network error	Ipsec error id manual key is not valid

Check item	Measures
Setting	Check the Inbound and Outbound (ESP Encryption/ Authentication and AH Authentication) keys in MFP and Remote PC.

- [8061] Secure primary DDNS update error
- [8062] Secure secondary DDNS update error
- [8063] IPv6 Secure primary DDNS update error
- [8064] IPv6 Secure secondary DDNS update error
- [8065] IPv6 primary DDNS update error
- [8066] IPv6 secondary DDNS update error
- [8067] IPv4 primary DDNS update error
- [8068] IPv4 secondary DDNS update error

Classification	Error item
Network error	Secure update to primary IPv4 server failed. ([8061]) Secure update to secondary IPv4 server failed. ([8062]) Secure update to primary IPv6 server failed. ([8063]) Secure update to secondary IPv6 server failed. ([8064]) IPv6 primary DDNS update error. ([8065]) IPv6 secondary DDNS update error. ([8066]) IPv4 primary DDNS update error. ([8067]) IPv4 secondary DDNS update error. ([8068])

Check item	Measures
Setting	Check if there is any problem with DNS or DDNS settings.

[8069] Invalid TSIG/SIG(0) Key file

Classification	Error item
Network error	This message is displayed when the key file for SIG(0) or TSIG is invalid.

Check item	Measures
Setting	Verify the TSIG/SIG(0) key files used.

[8101] Wireless association with Access point failure

Classification	Error item
Network error	Wireless association with Access point failure

Check item	Measures
Setting	Verify the credentials used for association with Access point.

[8102] MFP not able to contact the Access point with the specified SSID

Classification	Error item
Network error	MFP not able to contact the Access point with the specified SSID

Check item	Measures
Setting	Verify the access point name setting and mechanism used for association same as Access Point setting.

[8103] Wireless Certificate verification failure

Classification	Error item
Network error	Wireless Certificate verification failure

Check item	Measures
Setting	Verify the certificate settings used for association.

[8111] SNMP writing access failure

Classification	Error item
Network error	An error occurred during SNMP data writing.

Check item	Measures
Setting	Check if the parameter entered in the application is correct. Check if the entered department code and box password are correct. If the error still occurs after the correct parameter is entered, restart the equipment and the application.

[8112] SNMP communication failure

Classification	Error item
Network error	SNMP communication failed.

Check item	Measures
Setting	Check if there is any problem in the application.

[8121] Domain authentication error: Domain authentication error

Classification	Error item
Network error	An unidentified domain authentication error occurred during the connection of domain controller.

Check item	Measures
Setting	Check the network configuration of this equipment and then reconnect to the domain controller.

[8122] Domain authentication error: Invalid user name or password

Classification	Error item
Network error	Login is not permitted because the user name or a password for domain authentication is invalid.

Check item	Measures
Setting	Check if the user name and the password for this equipment are correct. Specify upper- and lower-case characters correctly when you enter them.

[8123] Domain authentication error: Invalid server

Classification	Error item
Network error	The server was not discovered during domain authentication.

Check item	Measures
Setting	Check if the server is down or the network configuration of this equipment is correct. If domain name resolution is used, check the DNS and DDNS settings.

[8124] Domain authentication error: Invalid user account

Classification	Error item
Network error	The user account is invalid and not available for login for domain authentication.

Check item	Measures
Setting	Check the setting to see if the user account noted in the Active Directory Users and Computers window is valid.

[8125] Domain authentication error: Expired user account

Classification	Error item
Network error	The user account is expired and not available for login for domain authentication.

Check item	Measures
Setting	Check the setting to see if the user account noted in the Active Directory Users and Computers window is not expired.

[8126] Domain authentication error: User account lockout

Classification	Error item
Network error	The user account is locked out and not available for login for domain authentication.

Check item	Measures
Setting	Check the account lockout setting of the server.

[8127] Domain authentication error: Invalid logon hours

Classification	Error item
Network error	The logon hour is invalid and not available for login for domain authentication.

Check item	Measures
Setting	Check the logon hour setting for the user account noted in the Active Directory Users and Computers window.

[8128] Active Directory domain authentication error: Time delay between server and equipment

Classification	Error item
Network error	There is a difference of 5 minutes or longer between the time settings of this equipment and the server, and therefore the login is not available for Active Directory domain authentication.

Check item	Measures
Setting	Set the time of this equipment and that of the domain controller the same. SNTP is recommended if there is an SNTP server in the network.

[8129] Active Directory domain authentication error: Expired Kerberos ticket

Classification	Error item
Network error	The Kerberos ticket is expired and not available for login for Active Directory domain authentication.

Check item	Measures
Setting	Check if the Kerberos ticket on the Kerberos server is expired.

[812A] Active Directory domain authentication error: Kerberos ticket authentication error

Classification	Error item
Network error	Login is not available for Active Directory domain authentication due to a Kerberos ticket authentication error.

Check item	Measures
Setting	Check if the user name and the password for this equipment are correct. If the error still occurs, ask your Windows Server administrator.

[812B] Active Directory domain authentication error: invalid realm name

Classification	Error item
Network error	The realm name is invalid and not available for login for Active Directory domain authentication.

Check item	Measures
Setting	Check if the realm name of this equipment for the Active Directory server is correct. If the error still occurs, ask your Windows Server administrator.

8.4 Other errors

8.4.1 Drum surface potential sensor control related troubleshooting

Countermeasure when “Service Recommended for SPC” message is displayed

Notes:

Since the surface potential sensor is installed in the K station in e-STUDIO6550C/6570C only, the following measures will be taken.

If the EPU tray with the surface potential sensor is used for all stations individually, refer to “25. 4. 1 Drum surface potential sensor control related troubleshooting” in the Service Manual for e-STUDIO5520C/6520C/6530C.

[1] Check the control setting of Drum surface potential (VO) sensor

[1-1] Check that 08-2561 (Drum surface potential control setting) is set to “2”.

Notes:

For e-STUDIO5540C/6540C and e-STUDIO5560C/6560C in which no VO sensor is installed, “0” is set for 08-2561.

[2] Check for abnormal contents (VO sensor controlling / VO sensor shutter closing) and abnormal stations.

[2-1] Check the drum surface potential sensor controlling status: 05-2780 Sub-code 3: K.

- 0: Normally completed
- 1: Control paused
(due to an open cover, etc.)
- 2: Sensor abnormality detected

[2-2] Check the drum surface potential sensor shutter closing controlling status?05-2789 Sub-code 3: K

- 0: Normally completed
- 1: Control paused
(due to an open cover, etc.)
- 2: Sensor shutter closing abnormality detected

* When any of the drum surface potential sensor controlling statuses is “2: Sensor abnormality detected” → Go to 3.

* When any of the drum surface potential sensor shutter closing controlling statuses is “2: Sensor shutter closing abnormality detected” → Go to 4.

[3] What to do for the drum surface potential sensor controlling status abnormality

Content: Incorrect measurement when the drum surface potential sensor shutter is opened

<Example>

The harness of the drum surface potential sensor is disconnected.

The drum surface potential sensor shutter is not opened.

The drum surface potential sensor is installed incorrectly.

Charging of the photoconductive drum is abnormal (e.g. abnormalities in the drum, main charger, discharge LED, HVT board).

Are the harnesses of the troubled drum surface potential sensor connected? Are the boards connected with the sensor correctly?

- | Connector between the V0S board and the EPU board
- | Connector between the drum surface potential sensor and the V0S board
- | Connector between the drum shutter solenoid and EPU board
- | Connectors CN308 and CN310 of the LGC board
- | NO → Reconnect the connector when it is disconnected. Then perform image quality closed-loop control (05-2742) and check the controlling status.

YES

Check the drum surface potential sensor output (05-2782).
 Check the values of the sub codes “3”, “8” and “13” in the following list.
 Perform 3-1 or 3-2 according to the output value.

Sub-code	Color	Grid bias Voltage measurement [-V]
0	Y	300
1	M	
2	C	
3	K	
5	Y	900
6	M	
7	C	
8	K	
10	Y	500
11	M	
12	C	
13	K	

[3-1] If the drum surface potential sensor output is “0-30” or “1010-1020” in the grid bias voltage of the target sensor, the drum surface potential sensor shutter may become closed.

Is the shutter opened and closed smoothly when the arm of the drum shutter solenoid is moved by hand and is the detecting element of the drum surface potential sensor (2 mm) seen completely when the drum shutter is opened?

- | NO → If the sensor or the shutter is dirty, wipe off with soft pad or cloth.
- | If a spring or any part connecting the solenoid and the shutter has been removed, reinstall it securely.
- | Then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).
- |
- | When an adjustment error occurs
- | Replace the shutter and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).
- |

When an adjustment error occurs

YES

Check if sounds are heard corresponding to proper solenoid operation (K: 03-212).

If such sounds are not heard, replace the solenoid and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs
Go to 3-2.

[3-2] If the drum surface potential sensor output is other than “0-30” and “1020-1020” in the grid bias voltage of the target sensor

Is the main charger unit (K) installed correctly?

Is the needle electrode or the main charger grid (K) installed correctly?

Is there any charging leak?

Is the discharge LED harness (K) connected correctly?

| YES → Remove any dust or toner staining. Then reinstall it.
| If the discharge LED harness (K) is disconnected, reconnect it.
| Perform “4. Image quality closed-loop control (05-2742) / check the
| controlling status” (described later).

NO When an adjustment error occurs

Replace the photoconductive drum (K) and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs

Replace the drum surface potential sensor (K) and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs

Replace the drum surface potential sensor board and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs

Replace the EPU board and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs

Replace the LGC board and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

When an adjustment error occurs

Replace the high-voltage board and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

[4] What to do for the drum surface potential sensor shutter closing controlling statuses abnormality

Content: Incorrect measurement when the drum surface potential sensor shutter is closed
<Example> The opened drum surface potential sensor shutter cannot be closed.

Repeat 2-1 above (sensor shutter not opened) and then perform “4. Image quality closed-loop control (05-2742) / check the controlling status” (described later).

[5] Image quality closed-loop control (05-2742) / check the controlling status

Procedure

1. If the value of the drum surface potential sensor control abnormalities counter for each color is other than “0”, reset the counter.
08-2560 Sub-code 0: Y 1: M 2: C 3: K
 2. If the value of the drum surface potential sensor shutter closing control abnormalities counter for each color is other than “0”, reset the counter.
08-2577 Sub-code 0: Y 1: M 2: C 3: K
 3. Select “1: Enabled” for the code 08-2561 (Drum surface potential sensor control setting).
 4. Perform “Image quality closed-loop control (05-2742)”.
 5. If any abnormality is detected, the controlling status and the “ERROR” message shown below are displayed after approx. 30 to 60 seconds.
Then check the content of the abnormality and the target YMCK process unit on the screen and then press [CANCEL] at the bottom left of the screen.
- * The mode returns to the test mode if the drum surface potential sensor control is normally completed.

Upper row: Drum surface potential sensor controlling status

<Contents>

0: Normally completed

1: Control paused

(due to the opened cover or other reasons)

2: Sensor abnormality detected

Lower row: Drum surface potential sensor shutter closing controlling status

<Contents>

0: Normally completed

1: Control paused

(due to the opened cover or other reasons)

2: Sensor shutter closing abnormality detected

Notes:

- When any of the drum surface potential sensor controlling statuses (display on the upper row) is “2: Sensor abnormality detected”, drum surface potential sensor shutter closing controlling status will not be identified. (The display on the lower row is “0: Normally completed”.)
- If the “Image quality closed-loop control (05-2742)” is performed while “2: Only K station enabled” is selected for 08-2561 (Drum surface potential control setting), the following will result.
- e-STUDIO6550C, e-STUDIO6570C
If K is normal, the screen will return to “Test mode”, only if K is abnormal, “ERROR” is displayed. In the controlling status on the upper row, “1” or “2” is displayed in K and “0” in Y, M and C.
- e-STUDIO5540C/6540C, e-STUDIO5560C/6560C:
In the controlling status on the upper row, “2: Sensor abnormality detected” is displayed in Y, M, C and K (since the potential sensor is not embedded).
In the controlling status on the lower row, all values are “0” and also “ERROR” is displayed.
- If the “Image quality closed-loop control (05-2742)” is performed while “0: Disabled” is selected for 08-2561 (Drum surface potential control setting), drum surface potential control measurement will not be performed. However, if the image quality control is completed normally, the screen returns to the test mode. (e-STUDIO5540C/6540C/6550C, e-STUDIO5560C/6560C/6570C)
- If the “Image quality closed-loop control (05-2742)” is performed while “1: All stations enabled” is selected for 08-2561 (Drum surface potential control setting), the following will result.
- e-STUDIO6550C, e-STUDIO6570C:
In the controlling status on the upper row, “2: Sensor abnormality detected” is displayed in Y, M and C, and any of “0” to “2” in K depending on the status.
In the controlling status on the lower row, all values are “0” and also “ERROR” is displayed.
- e-STUDIO5540C/6540C, e-STUDIO5560C/6560C:
In the controlling status on the upper row, “2: Sensor abnormality detected” is displayed in Y, M, C and K (since the potential sensor is not embedded).
In the controlling status on the lower row, all values are “0” and also “ERROR” is displayed.

When any of the stations in the controlling status on the upper row is “2: Sensor abnormality detected” while “ERROR” is being displayed → Check the setting value of 08-2561 → Go to 3.

When any of the controlling statuses on the lower row is “2” while “ERROR” is being displayed → Go to 4.

When “ERROR” is not displayed and the mode returns to the test mode → Go to 6.

When any of service calls CE10, CE20 and CE40 is displayed → Go to 7.

[6] When “ERROR” is not displayed and the mode returns to the test mode

Print out a test chart (04-231 Y, M, C and K1: Secondary scanning direction - 33-gradation pattern). Is the printed image normal?

| YES → END

NO

See “Image quality control related troubleshooting” to resolve the problem.

[7] CE10, CE20 or CE40 is image quality control abnormality. See “Image quality control related troubleshooting” to resolve these errors.

8.4.2 Troubleshooting at unpacking

This section describes the procedure needed to interrupt the unpacking procedures in order to inspect or repair the equipment when trouble occurs during unpacking.

Turn ON the power of the equipment to start the unpacking operation by the software after No. 51 of the unpacking instructions.

This instruction prohibits any operation not described in the unpacking instruction, because the purpose is to complete the setup of the equipment.

Therefore, if trouble of the equipment occurs during unpacking, it is necessary to forcibly shut down the unpacking procedure.

When an error code or a service call is displayed after the unpacking procedure is interrupted, clear the trouble referring to troubleshooting.

When the equipment has been shut down, starting the equipment with the setting code “08-9022” allows you to know the completed status before the forced termination.

For example, if 6 is displayed for the code 08-9022, this status means that the gamma adjustment has been completed.

When the error has been cleared, restart the unpacking procedures from the status in which you shut down the equipment.

Additionally, setting the code 08-9022 to 5 enables you to perform the gamma adjustment again.

Also, setting the code 08-9022 to 99 allows you to release the unpacking operation and to start the equipment normally.

8.4.3 Drum surface potential sensor control related troubleshooting when setting up the equipment at unpacking (e-STUDIO6550C/6570C only)

Troubleshooting V0 sensor controlling status abnormalities when setting up the equipment at unpacking

[1] If any abnormality in V0 sensor control is detected, the controlling status and the “ERROR” message shown below are displayed approx. 30 to 60 seconds after “Automatic image quality control initialization (05-2742)” is performed. Then

check the content and the station of the abnormality on the control status and then press [CANCEL] at the bottom left of the screen.

- * When any of the drum surface potential sensor controlling statuses (display on the upper row) is “2: Sensor abnormality detected”, drum surface potential sensor shutter closing controlling status will not be identified. (The display on the lower row is “0: Normally completed”).

Upper row: Drum surface potential sensor controlling status

<Contents>

The contents same as 05-2780 sub-code

3:K

0: Normally completed

1: Control paused

(due to an open cover, etc.)

2: Sensor abnormality detected

Lower row: Drum surface potential sensor shutter closing controlling status

<Contents>

The contents same as 05-2789 sub-code

3:K

0: Normally completed

1: Control paused

(due to an opened cover, etc.)

2: Sensor shutter closing abnormality detected

When any of the drum surface potential sensor controlling statuses (display on the upper row) is “2: Sensor abnormality detected”, drum surface potential sensor shutter closing controlling status will not be identified. (The display on the lower row is “0: Normally completed”).

If the “Image quality closed-loop control (05-2742)” is performed while “0: Disabled” is selected for 08-2561 (Drum surface potential control setting), drum surface potential control measurement will not be performed. However, the controlling status of the last drum surface potential sensor measurement and “ERROR” are displayed.

(All status values on both upper and lower rows may be “0” and also “ERROR” may be displayed.)

When any of the controlling statuses on the upper row is “2” while “ERROR” is being displayed → Go to 2.

When any of the controlling statuses on the lower row is “2” while “ERROR” is being displayed → Go to 3.

When any of service calls CE10, CE20 and CE40 is displayed → Go to 5.

[2] What to do for the drum surface potential sensor controlling status abnormalities

Content: Incorrect measurement when the drum surface potential sensor shutter is opened

<Example>

The harness of the drum surface potential sensor is disconnected.

The drum surface potential sensor shutter is not opened.

The drum surface potential sensor is installed incorrectly.

Charging of the photoconductive drum is abnormal (e.g. abnormalities in the drum, main charger, discharge LED, HVT board).

Apply following measures respectively and perform “4. Image quality control initialization (05-2742) and checking controlling status” (described later).

[2-1] Checking connector related troubles

Are the harnesses of the troubled drum surface potential sensor connected? Are the boards connected with the sensor correctly?

- | Connector between the V0S board and the EPU board
- | Connector between the drum surface potential sensor and the V0S board
- | Connector between the drum shutter solenoid and the EPU board
- | Connectors CN308 and CN310 of the LGC board

| NO → Reconnect the connector when it is disconnected. Then perform “4. Image quality control initialization (05-2742) and checking controlling status” (described later).

YES

[2-2] Checking the main charger related devices

Is the main charger unit installed correctly?
Is the needle electrode or the main charger grid installed correctly?
Is there any charging leak?
Is the discharge LED harness connected correctly?

| YES → Remove any dust or toner staining. Then reinstall it.
| If the discharge LED harness is disconnected, reconnect it.
| Perform “4. Image quality control initialization (05-2742) and checking controlling status” (described later).

NO When an adjustment error occurs

[2-3] Checking the drum surface potential sensor and the drum surface potential sensor boards

Replace the drum surface potential sensor and perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

When an adjustment error occurs
Replace the V0S board and perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

When an adjustment error occurs

[2-4] Checking the drum surface potential sensor shutter

Is the shutter opened and closed smoothly when the arm of the drum shutter solenoid is moved manually, and is the detecting element of the drum surface potential sensor seen completely when the drum shutter is opened?

| NO → If the sensor or the shutter is dirty, wipe off with soft pad or cloth.
| If a spring or any part connecting the solenoid and the shutter is removed, install it securely.
| Then perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

| When an adjustment error occurs
| Replace the shutter and then perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

YES

When an adjustment error occurs

Replace the solenoid and then perform “4. Image quality control initialization (05-2742) and checking controlling status” (described later).

When an adjustment error occurs

[2-5] Checking the EPU board

Replace the EPU board and perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

When an adjustment error occurs

[2-6] Checking the photoconductive drum

Replace the drum and then perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

When an adjustment error occurs

[2-7] Checking the LGC board and the HVT board

Replace the LGC board and then perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

When an adjustment error occurs

Replace the HVT board and then perform “4. Image quality closed-loop control (05-2742) and checking controlling status” (described later).

[3] What to do for the drum surface potential sensor shutter closing controlling status abnormality

Content: Incorrect measurement when the drum surface potential sensor shutter is closed
<Example> The opened shutter cannot be closed.

Repeat steps 2-6 and 2-4 above (sensor shutter not opened) and then perform “4. Image quality control initialization (05-2742) and checking controlling status” (described later).

[4] Procedures for image quality closed-loop control (05-2742) and checking controlling status

1. If the value of the drum surface potential sensor control abnormalities counter for each color is other than “0”, reset the counter.
08-2560 Sub-code 3: K
2. If the value of the drum surface potential sensor shutter closing control abnormalities counter for each color is other than “0”, reset the counter.
08-2577 Sub-code 3: K
3. Select “1: Enabled” for the code 08-2561 (Drum surface potential sensor control setting).
4. Perform “Image quality control initialization (05-2742)”, refer to 1. for confirming the result, and then apply necessary measures if there is any abnormality.

8.4.4 Equipment operation disabled after the installation of option(s)

Check if the optional board is installed properly.

8.4.5 Wireless LAN connection disabled

The connection state and settings of the Wireless LAN can be checked with [USER FUNCTIONS] → [ADMIN] → [WIRELESS LAN] → [SETTING CHECK].
Confirm the settings with the administrator.

“NIC INITIALIZING” does not disappear at the time of the power being turned ON and it disappears after 6 minutes with the NIC initializing time-out. In this case, the connection to the Wireless LAN did not succeed even though “NIC INITIALIZING” disappears. The connection to the Wireless LAN cannot be made if the Access Point to be connected is not found or security settings are not correct.

8.4.6 “Start page” printing disabled after the installation of the EFI Printer Board (GA-1310, optional)

When the firmware of the equipment or the system software of the EFI printer board is updated, perform “Initialization of NIC information (08-9083)” and “Default setting of the EFI printer board (08-9951)” if “Start page” is not printed out after a specified period of time. (In case of the equipment's firmware, wait approx. 3 minutes and in case of the EFI printer board's system software, wait approx. 10 minutes.)

1. Turn OFF the power of the equipment.
2. Confirm that the power of the EFI printer board is also turned OFF. (The 7-Segment LED of the EFI printer board goes off.)
3. Turn ON the power of the equipment while pressing digital keys [0] and [8] simultaneously to enter the Setting Mode (08).
4. Confirm that the power of the EFI printer board is also turned ON. (The 7-Segment LED of the EFI printer board is lit.)
5. Key in [9083] and press the [START] button (Initialization of NIC information).
6. Key in [9951] and press the [START] button (Default setting of the EFI printer board).
7. Turn OFF the power of the equipment.
8. Confirm that the power of the EFI printer board is also turned OFF.
9. Turn ON the power of the equipment.

8.4.7 When the duplexing unit cover open display cannot be released

1. Is the duplexing unit cover opening/closing detection sensor working normally?
2. Check if any of the fuses (F201, F202, and F203) on the switching regulator has blown.
3. Replace the switching regulator.
4. If the fuse still blows even after the switching regulator is replaced, check if a harness connected with the connector CN405 on the switching regulator is caught or short circuited. Replace the harness if there is any abnormality.

8.4.8 Operation of the control panel locked at the power-ON and the locking cannot be canceled

1. Check if the fuse (F205) on the switching regulator is blows.
2. Replace the switching regulator.
3. If the fuse still blows even after the switching regulator is replaced, check if a harness connected with the connector CN407 on the switching regulator is caught or short circuited. Replace the harness if there is any abnormality.

8.4.9 Troubleshooting for one-time dongle

1. When the serial number is changed, options already installed (Meta Scan Enabler GS-1010, External Interface Enabler GS-1020 and IPsec Enabler GP-1080) will be disabled.
2. When the serial number is changed, an F200 error occurs if the Data Overwrite Enabler (GP-1070, optional) is installed.
3. When you reinstall the Data Overwrite Enabler (GP-1070, optional), follow the designated reinstallation procedure (the same procedure as that of board replacement)

8.4.10 Countermeasure for stain on paper back side

Take off the separation plate and then check if toner adheres to both front and back sides of the plate. If it adheres, wipe it off with dry soft cloth. Use a toner remover if required. When using it, soak soft cloth in it and then clean the surface of the plate with it.

Notes:

- After a toner remover has been used, wipe it off with dry cloth.
- Be careful not to damage the surface of the separation plate.
- Be careful not to deform the separation plate.

8.4.11 Measures against exit paper side deviation

If any problem such as paper folding at the leading edge occurs at the receiving section of the finisher due to exit paper side deviation, check the following items to correct it or replace the parts.

* Cause 1 of exit paper side deviation: Bridge unit

* Cause 2 of exit paper side deviation: Duplex unit

Check that the idling rollers are parallel to the installation holes.

If any of them is slanted, correct or replace it.

The rollers of the lower transport guide affect the sheet sideways deviation in the simplex and duplex mode, and the ones of the upper transport guide affect the sheet sideways deviation in the duplex mode.

The rollers in the duplex unit affect the sheet sideways deviation in the duplex mode.

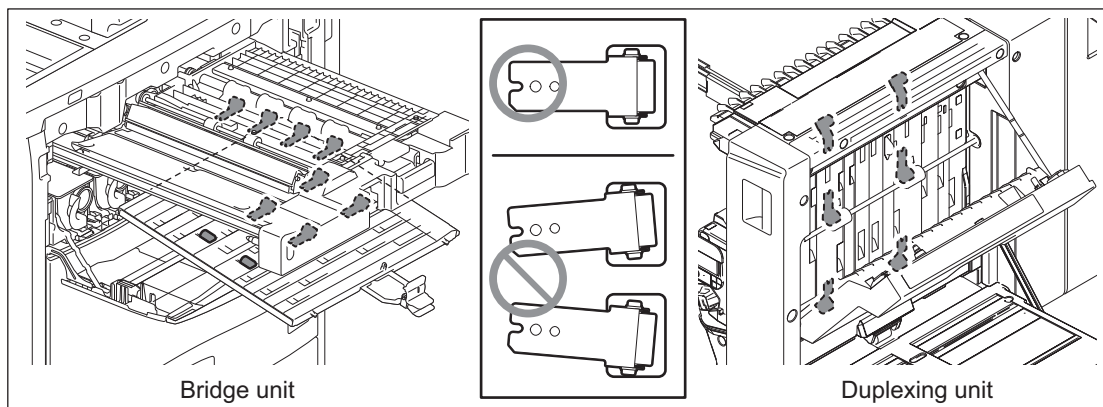


Fig.8-3

* Cause 3 of exit paper side deviation: Installation status

Notes:

- Check that the equipment is installed horizontally at the installation position. (Install a level on the original glass to check.)
- Check that four stoppers contact the ground.

Checking method

- Place A4 or LT size paper in the 1st drawer. Print 5 sheets in the simplex mode and print 5 sheets in the duplex mode using the 1st drawer, having the paper exit to the tray at the side of the equipment.
- Check that the edges of the simplex/duplex printed sheets are located within the allowable range of the scale (B).
- If they are not, adjust the position according to the following procedure. ((A): recommended range)

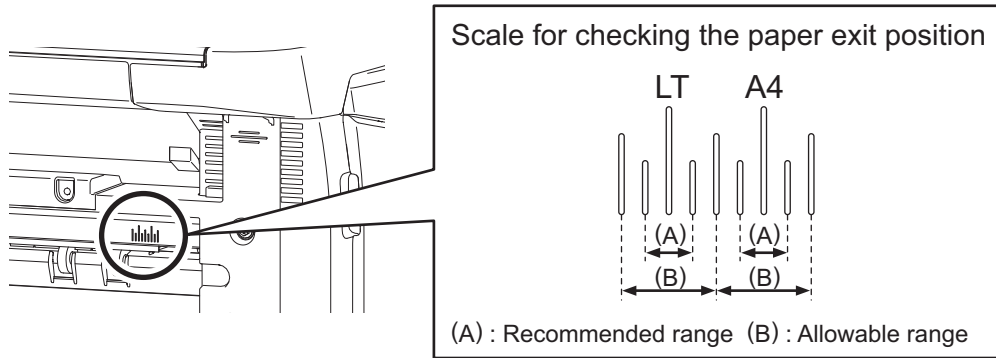


Fig.8-4

Adjustment

In case the edges are towards the front side from (B):

Turn the stopper on the right front side clockwise to lift the equipment. The exit position will be moved towards the rear side by approx. 0.6 to 1.0 mm for each turn.

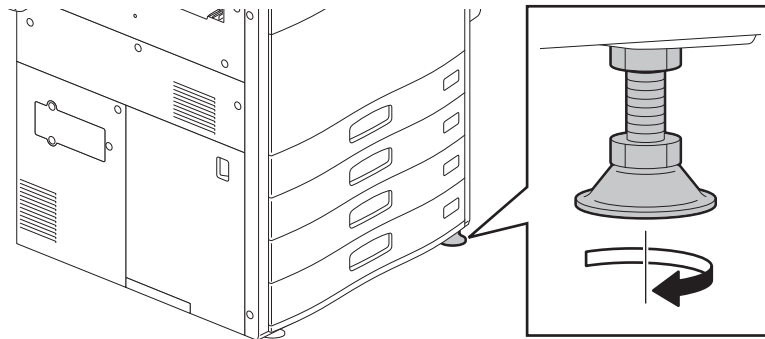


Fig.8-5

In case the edges are towards the rear side from (B):

Turn the stopper on the left front side clockwise to lift the equipment. The exit position will be moved towards the front side by approx. 0.6 to 1.0 mm for each turn.

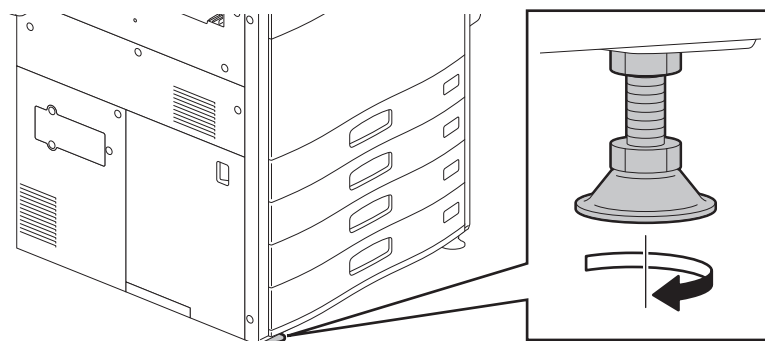


Fig.8-6

Notes: Notes for installing the finisher

After the above adjustment, install the finisher according to the Unpacking Instructions.



When installing MJ-1103/1104, be sure to make the height adjustment in *29 to *30 in the Unpacking Instructions.

8.4.12 Troubleshooting for abnormal sound from fuser unit


If creaking sound is heard from the fuser unit, check if grease is applied on the tooth face of the gears and to the shafts of the fuser unit and fuser drive unit.

Since the one-way clutch is pressed into the gear (GEAR-8H40-FMR), do not apply grease on the shaft.

8.4.13 “Authentication Failed” is displayed

- Reset the service password
Reset the service password by accessing [USER FUNCTIONS] -> [ADMIN] -> [GENERAL] -> [PASSWORD SETUP] -> [RESET SERVICE PASSWORD].
- Initialize the SRAM
Refer to  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)", and perform “[D] Initialize SRAM system storage area” and following steps.
- Replace the SRAM board
Refer to  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)", and replace the SRAM board.

8.4.14 Hard disk full error “H04” is displayed

Perform the following, referring to  P. 9-25"9.2.3 Precautions and procedures when replacing the HDD”

- Back up the user data
 - (1) [A] Back up data in HDD
 - (2) [B] Print out “FUNCTION LIST FOR MAINTENANCE“
 - (3) [C] Print out “FUNCTION“ list
- Initialize the HDD
 - (4) [E] Replace / Format HDDStep 2 for replacing the HDD is unnecessary.
- Restore the user data
 - (5) [F] Reset user’s setting items and restore data/information.
 - (6) [G] Reset “FUNCTION LIST FOR MAINTENANCE“
 - (7) [H] Reset “FUNCTION“ list
- Adjust image quality
 - (8) [I] Adjust image quality

8.4.15 When the First copy time / First print output time (for black) in the MFP with 55 cpm exceeds approx. 5.3 sec.

1. Perform the following since the First copy time / First print output time (for black) may become lower than the specified value due to the energy saving function.
 - Change the time interval to enter the energy saving mode and sleep mode.
 - Set to "0: Disabled" for the energy saving mode (08-5469).
2. Check if there are any abnormalities in the following parts.
 - Temperature/humidity sensor
 - Fuser belt thermopile
 - Pressure roller thermistor (center/rear)
 - IH coil
 - IH board
 - LGC board

8.4.16 Error code “M00” is displayed while updating firmware




Check item	Measures
Switching regulator	<ul style="list-style-type: none">• Connector check (CN404, CN405)• Harness check• Fuse check (F210)
LGC board	<ul style="list-style-type: none">• Board check• Connector check (CN301, CN302)• Harness check

Replace parts	Remarks
Switching regulator	
LGC board	

8.5 Troubleshooting for the Image

8.5.1 Color deviation

1) Color deviation
<Symptoms>

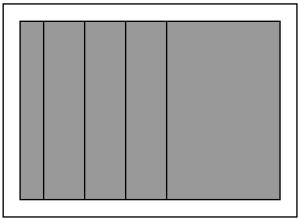
Original mode	Location	Phenomena	
All modes	Color blurred in outline of white text or illustration on a colored background	Color deviation	 Fig.8-7
Text Mode Text/Photo Mode	Outline in black text on a colored background	White void	 Fig.8-8
Photo Mode Map Mode	Color blurred in outline of line or text	Color deviation	 Fig.8-9

Cause/Section	Step	Check item	Measures	Remarks
	1	Perform the Forced performing of color registration control adjustment (05-4719).	Has it ended normally? When CA00 occurs: → Proceed to [CA00] troubleshooting.	
	2	Output the built-in grid pattern in A3/LD size. (Perform [8][FAX] at 05 startup.)	Perform steps 1 and 2 several times and check the direction and tendency of the grid pattern deviation.	
	3	Check the direction and tendency of the grid pattern deviation.	i) When evenly deviated in the transfer direction, and when deviated in a regular manner such as in the order of Y, M, C, K or K, C, M, Y: → Perform steps 4, 5, 6 and 7. ii) When evenly deviated in the laser scanning direction: → Perform steps 8, 9 and 10. iii) When cyclically deviated in the transfer direction: → Perform steps 11, 12, 13, 14 and 15. iv) When laser scanning lines are curved: → Perform steps 16. v) When the deviation amount in the transport direction is different between the start point and the end point of the scanning direction: → Perform steps 17.	
Poor transport of the belt of the transfer belt unit	4	Is the surface of the 2nd transfer facing roller of the transfer belt unit dirty or worn out?	Clean or replace the 2nd transfer facing roller.	

Cause/Section	Step	Check item	Measures	Remarks
Large driving load in the 2nd transfer	5	Is the 2nd transfer roller locked?)	Replace the 2nd transfer roller and 2nd transfer cleaning blade.	
Large driving load in the transfer belt unit cleaner	6	Is the transfer belt unit cleaner blade peeled?.	Replace the transfer belt unit cleaner blade.	
Poor transport of the belt of the transfer belt unit	7	Is there any cause that slows the transport speed of the transfer belt?	Remove the cause or replace the transfer belt unit.	
Installation of the transfer belt unit	8	Is the transfer belt unit seated all the way and installed? Is it installed slanted?	Install the transfer belt unit correctly.	
Meandering of the transfer belt	9	Is the belt guide of the transfer belt unit installed correctly?	Install the transfer belt correctly.	
Meandering of the transfer belt	10	Is the pointer of the angle indicator of the transfer belt unit steering mechanism within the +/- 2 scale points?	Correct it.	
Fluctuation in drum speed	11	Is the process unit seated all the way and installed?	Replace the cleaning blade.	
Fluctuation in drum drive unit speed	12	Is the drum drive unit installed normally?	Check the installation. Or, replace the drum drive unit.	
Drum speed abnormality	13	Is an abnormal value set for drum motor rotation speed setting value (05-4520)?	Set the value to 128.	
Fluctuation in transfer belt speed	14	Is the transfer belt driving gear installed normally? Is there any breakage or deformation of the transfer belt driving gear?.	Check the installation of the gear, or replace it.	
Fluctuation in transfer belt speed	15	Is the 2nd transfer facing roller shaft deformed?	Replace the 2nd transfer facing roller.	
	16	Is the transfer belt drive motor installed correctly?	Install the motor properly with a fixing screw in the correct position.	
Laser scanning lines warped	17	Are the laser scanning line warped?	Replace the laser optical unit.	
Poor skew adjustment of laser optical unit	18	Is a laser scanning line of any specific color inclined to those of other colors? Is there any color whose color characteristic is significantly different from others?	Perform steps 1 and 2 several times, and when tendencies do not change: - Check the laser optical unit related harness connections. - Reinstall the laser optical unit. - Or, replace the laser optical unit	

8.5.2 Uneven pitch and jitter image

<Symptoms>

Original mode	Location	Phenomena
All modes	Occurs cyclically at right angles to paper feeding direction	Uneven pitch <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Feeding direction ←</div>  </div> <p style="text-align: center; margin-top: 5px;">Fig.8-10</p>

Cause/Section	Step	Check item	Measures	Remarks
	1	Test printing (A3/LD)	Output the built-in halftone and grid patterns.	For the following checks
	2	Are there uneven pitches of approx. 188.5 mm?	Perform procedures 5, 6 and 7.	
		Are there uneven pitches of approx. 26 mm?	Perform procedure A.	
	3	This jittery image occurs in certain positions from the leading edge of the paper when the continuous printing is performed. This occurs at the position 178.277mm from the edge of the image when printed in black, 283.382mm in cyan, and 388mm in magenta.	Perform procedures 8, 9 and 10	Jittering caused by the impact of the paper going into the 2nd transfer section.
	4	This jittery image occurs in certain positions from the leading edge of the paper on the second and subsequent pages when continuous printing is performed. The position of the jittery image varies depending on the copying speed, paper size, and color.	Perform procedures 8 and 11	Jittering caused by the impact of the paper passing through the registration roller and 2nd transfer roller
Drum	5	Is there any damage or foreign matter on the drum surface?.	Clean or replace the drum.	Replace the drum first, because in some cases, scratches cannot be visually checked.
Drum drive	6	Is there any dent, damage or deformation on the gears of the drum drive unit?	Replace the drum drive unit.	
	A	Is there any dent, damage or deformation in the motor gear section of the drum drive unit?	Replace the drum motor.	
Fuser belt	7	Check if the fuser belt is scratched or deformed.)	Replace the fuser belt.	

Cause/Section	Step	Check item	Measures	Remarks
Transfer belt unit	8	Is the transfer belt rotating correctly?	Install the transfer belt drive motor correctly.	
2nd transfer unit	9	Check if there is no abnormality on the surface of the 2nd transfer roller.	Replace the 2nd transfer roller.	
	10	Check if any white void in the halftone occurs at the same time.	Apply the measure following "25.5.27".	
Transportation speed	11	Check if an abnormal value is set for the transportation speed. Drum motor 05-4520 (0 to 3) Registration motor 05-4523 (0 to 3) Fuser roller 05-4529 (0 to 6)	Change the value back to the default.	
Transfer belt	12	The density stripe which occurs once every few copies in certain positions in the primary scanning direction. Check if the belt surface is scratched. The rotation period of the belt is approx. 1118mm.	Replace the transfer belt.	
Transfer belt cleaning facing roller	13	Density belt pattern of 105mm pitch	Clean or replace the transfer belt cleaning facing roller.	
Developer sleeve	14	Is the pitch of the density fluctuation 43.5mm?	Replace the developer sleeve	
Jitter (1.9mm pitch)	15	Density stripe pattern (jitter) of 1.9mm pitch in Black mode printing	Replace the developer sleeve. Replace the 2nd transfer drive unit. Replace the LSU.	
Jitter (1.35mm pitch)	16	Density stripe pattern (jitter) of 135mm pitch in cyan and magenta	Check if the laser optical unit cooling fan (front) is installed properly. Replace the fan if there is an abnormality.	

8.5.3 Black spot / color point

<Symptoms>

Original mode	Location	Phenomena
All modes	Occurs cyclically in the feeding direction Pitch: 105mm Perform procedures 3 and 4.	<p style="text-align: center;">Fig.8-11</p>
	Occurs cyclically in the feeding direction Pitch: 1118mm (Ratio of once every 3 sheets of A3/LD paper)	
	Perform procedures 1, 2 and 3.	

Cause/Section	Step	Check item	Measures	Remarks
Transfer belt	1	Is there any damage or deformation on the surface of the transfer belt?	Replace the transfer belt.	
	2	Is there adhesion of foreign matter on the transfer belt surface?	Remove the foreign matter.	
	3	Is there any foreign matter inside the transfer belt?	Remove the foreign matter.	
	4	Is there any breakage, or is there adhesion of foreign matter on the 2nd transfer facing roller?	Remove the foreign matter, or replace the 2nd transfer facing roller.	
	5	Is there any breakage, or is there adhesion of foreign matter on the transfer belt cleaning facing rollers?	Remove the foreign matter, or replace the transfer belt cleaning facing rollers.	

8.5.4 Poor image density, color reproduction and gray balance

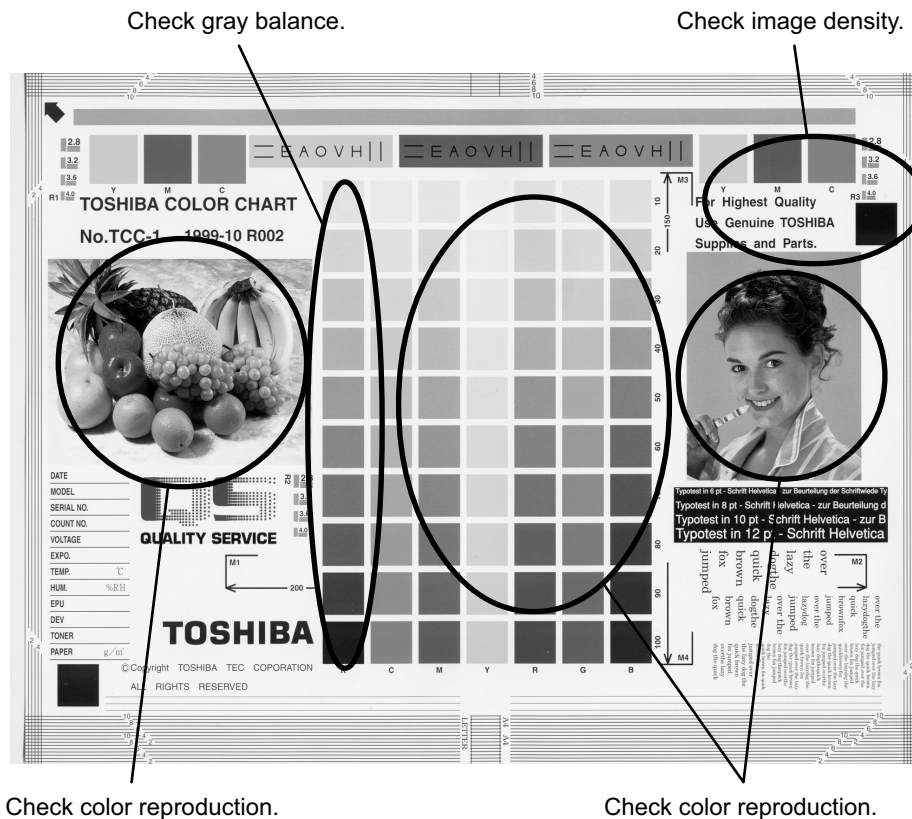


Fig.8-12

Cause/Section	Step	Check item	Measures	Remarks
Density / Color reproduction / Gray balance	1	Check the image density / color reproduction / gray balance.	Perform the enforced performing of image quality closed-loop control (05-2742) and then automatic gamma adjustment.	
Printer density	2	Check the density of printer output image.	Output the test patterns and check them. Color: using 04-231 for each color Black: using 04-113 Laser array breakage detection pattern: print it out at the code 04-286.	See step 5 if defect occurs.
Scanner	3	Check if the original glass, mirrors or lens is dirty.	Clean it.	
Parameter adjustment value	4	Check the image processing parameters.	Adjust the color balance (color). Adjust the image density.	

Cause/Section	Step	Check item	Measures	Remarks
Printer output image abnormal	5	Is there any faded image (low density)?	Perform the troubleshooting procedures against the faded image.	
		Is there any fog in the background?	Perform the troubleshooting procedures against the background fogging.	
		Is there any blotch image?	Perform the troubleshooting procedures against the blotch image.	
		Is there any poor transfer?	Perform the troubleshooting procedures against the poor transfer.	
		Is there any poor cleaning of the transfer belt? (Check inside the equipment.)	Correct the transfer belt area.	
		Is each stripe of 4 colors of the laser array breakage detection pattern printed out normally? Also, are the density level of stripes even?	If any one of stripes has not been output or density level of each stripe is different, replace the laser optical unit.)	

If the trouble is not solved at the step 1 and the step 2 or followings (excluding the parameter adjustment) are performed, make sure to perform “Image quality closed-loop control” and then “Automatic gamma adjustment” after taking a measure.

8.5.5 Background fogging

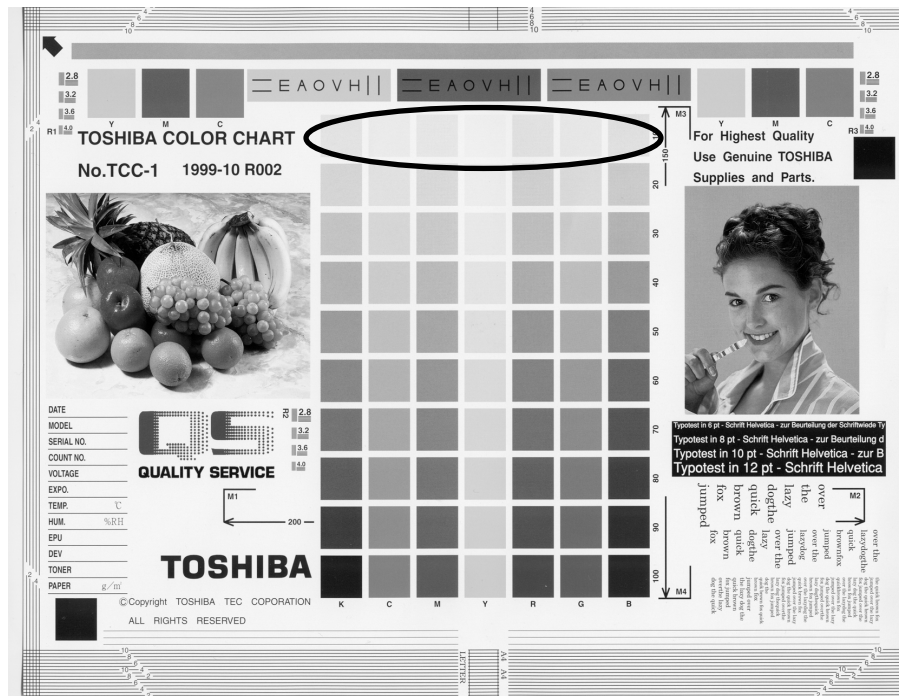


Fig.8-13

Cause/Section	Step	Check item	Measures	Remarks
Adjustment	1	Perform the shading correction.	Perform 05-3218. If an error occurs, retry it. If the error still persists, clean the original glass.	
Density reproduction	2	Check the gradation reproduction.	Perform the forced performing of image quality closed-loop control (05-2742) and then automatic gamma adjustment.	
Printer section	3	Check the printer output image.	Output the test patterns and check them. Color: using 04-231 for each color Black: using 04-113	See step 7 if defects occur.
Scanner	4	Check if the original glass, mirrors or lens is dirty.	Clean it.	

Cause/Section	Step	Check item	Measures	Remarks
Parameter adjustment value	5	Check the image processing parameters.	Check the value of offsetting adjustment for background processing (color), background adjustment (black) and background peak adjustment for range correction (black).	
	6	Adjust the image processing parameters.	While checking the above encircled image, adjust the reproduction level by the offsetting adjustment for background processing (color), background adjustment (black) and background peak adjustment for range correction (black).	
Cover	7	Is the cover installed properly? (Is the drum exposed to the external light?)	Correct it.	
Auto-toner	8	Is the auto-toner sensor normal?	Check the operation of auto-toner sensor and readjust.	
	9	Is the toner supply operating constantly?	Check the motor and circuits.	
Main charger output	10	Is the main charger output normal?	Check the circuits.	
Developer bias	11	Is the developer bias proper?	Check the circuits.	
Developer unit	12	Is the contact between the drum and developer material proper?	Check the doctor-to-sleeve gap and pole position.	
Developer material/Toner/ Drum	13	Using the specified developer material, toner and drum?	Use the specified developer material, toner and drum.	
	14	Have the developer material and drum reached their PM life?	Replace the developer material and drum.	
	15	Is the storage environment of the toner cartridge 35oC or less without dew?	Use the toner cartridge stored in the environment within specification.	
Drum cleaning blade	16	Is the drum cleaned properly?	Check the drum cleaning blade pressure.	
Transfer belt cleaning blade	17	Is the transfer belt cleaning blade in proper contact with the transfer belt?	Take off the transfer belt and check if the transfer belt cleaning blade pressure spring and pressure hook are installed properly.	
Toner dusting	18	Is the toner accumulated on the seals of the developer unit?	Remove the toner and clean the seals.	

If the trouble is not solved at the step 2 and the step 3 or followings (excluding the parameter adjustment) are performed, make sure to perform "Image quality closed-loop control" and then "Automatic gamma adjustment" after taking a measure.

8.5.6 Moire/lack of sharpness

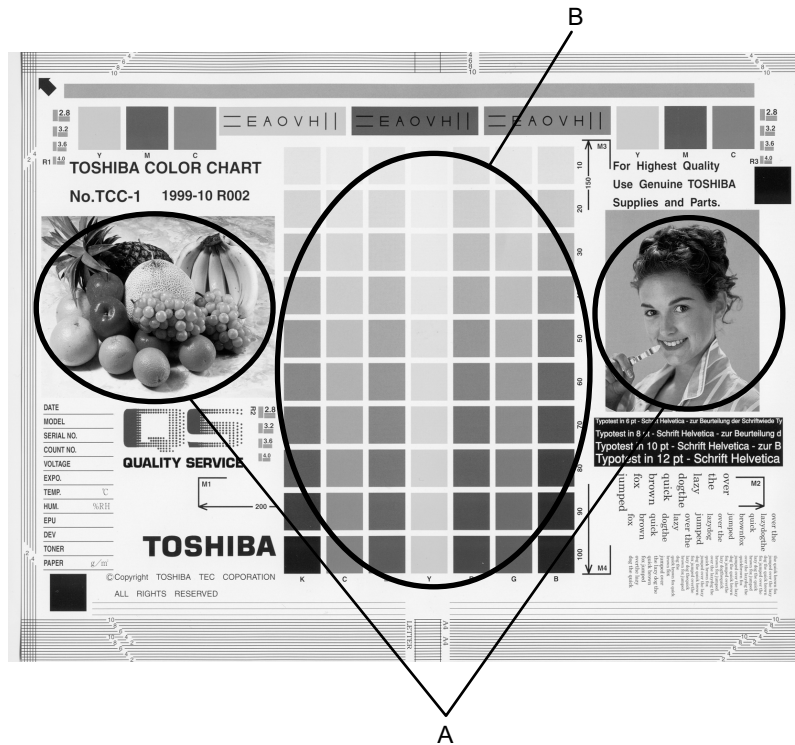


Fig.8-14

Moire

Cause/Section	Step	Check item	Measures	Remarks
Density reproduction	1	Check the gradation reproduction.	Perform the forced performing of image quality closed-loop control (05-2742) and then automatic gamma adjustment.	
Parameter adjustment value	2	Check the image processing parameters.	Check the sharpness adjustment value.	
	3	Adjust the image processing parameters.	While checking the above encircled images A and B, decrease moire by sharpness adjustment.	
Printer section	4	Check the printer output image.	Output the test patterns and check them. Color: using 04-231 for each color Black: using 04-113	When defects occur, perform the corresponding troubleshooting procedures.

Lack of sharpness

Cause/Section	Step	Check item	Measures	Remarks
Density reproduction	1	Check the gradation reproduction.	Perform the forced performing of image quality closed-loop control (05-2742) and then automatic gamma adjustment.	

Cause/Section	Step	Check item	Measures	Remarks
Parameter adjustment value	2	Check the image processing parameters.	Check the sharpness adjustment value.	
	3	Adjust the image processing parameters.	While checking the above encircled image A, increase sharpness by sharpness adjustment.	

If the trouble is not solved at the step 1 and the step 2 or followings (excluding the parameter adjustment) are performed, make sure to perform "Image quality closed-loop control" and then "Automatic gamma adjustment" after taking a measure.

8.5.7 Toner offset

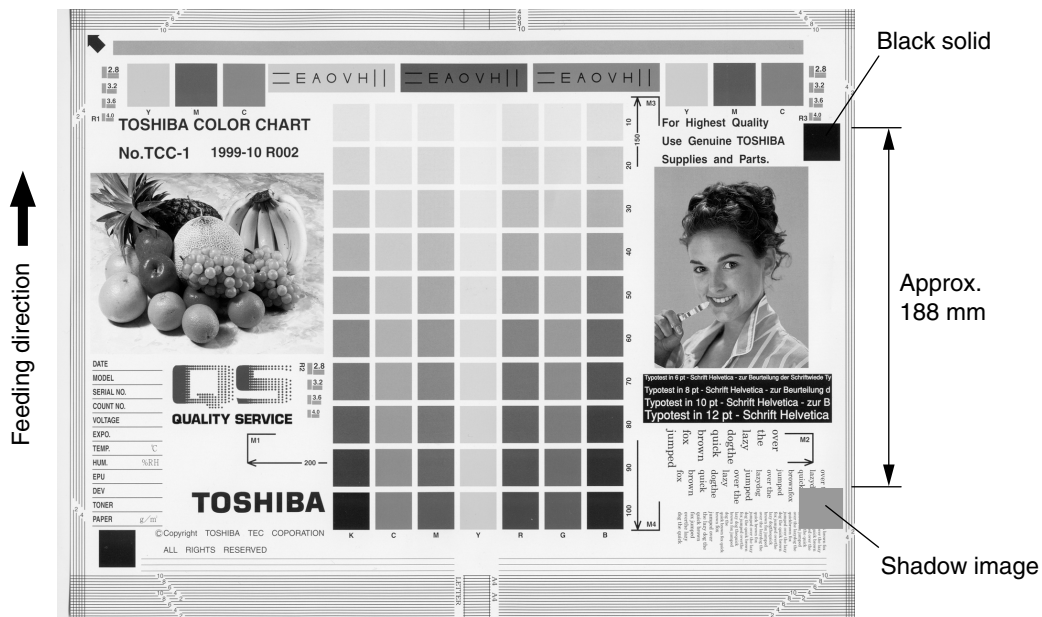


Fig.8-15

Toner offset (Shadow image appears approx. 188 mm behind the high density image.)

Cause/Section	Step	Check item	Measures	Remarks
Fuser unit	1	Is the pressure between the fuser belt and pressure roller proper?	Check the pressure removal parts and pressure mechanism.	
	2	Is there scratch on the fuser belt or pressure roller surface?	Replace the fuser belt or the pressure roller.	
	3	Has the fuser belt or pressure roller reached its PM life?	Replace the fuser belt or the pressure roller.	
	4	Is the fuser belt temperature proper?	Check and correct the control circuit.	
Paper	5	Is the paper type corresponding to its mode?	Use the proper type of paper or select the proper mode.	
	6	Using recommended paper?	Use the recommended paper.	
Developer material	7	Is the specified developer used?	Use the specified developer and toner.	
Scanner	8	Are the mirrors, original glass or lens dirty?	Clean them.	
Image quality control	9	Is the control activated?	Check the image quality control related codes.	
Density	10	Is the density too high?	Perform the forced performing of image quality closed-loop control (05-2742) and then automatic gamma adjustment.	

Cause/Section	Step	Check item	Measures	Remarks
Printer density	11	Check the density of printer output image.	Output the test patterns and check them. Color: using 04-231 for each color Black: using 04-113	When defects occur, perform the corresponding troubleshooting procedures.

8.5.8 Blurred image

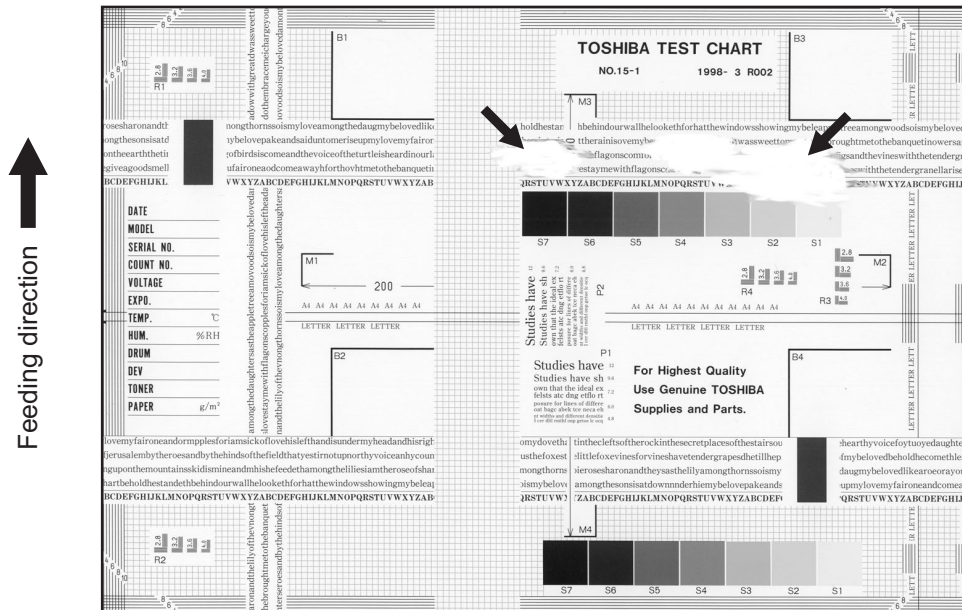


Fig.8-16

Cause/Section	Step	Check item	Measures
Scanner	1	Is the scanner bedewed?	Clean it.
Drum	2	Is the drum bedewed or dirty?	Wipe the drum with dry cloth. Be sure never use alcohol or other organic solvents because they have bad effect on the drum.
Ozone exhaust	3	Is the ozone exhaust fan operating properly?	Check the connection of the connector.
	4	Is the ozone filter stained or damaged?	Replace it.
Main charger	5	Check if the inside wall in the case of the main charger unit is dirty or there is any fouling in the case of the main charger unit.	Clean the inside wall in the case.
	6	Check if the main charger grid is corroded, or rusted, or there is any fouling on the grid.	Replace the main charger grid.

8.5.9 Poor fusing

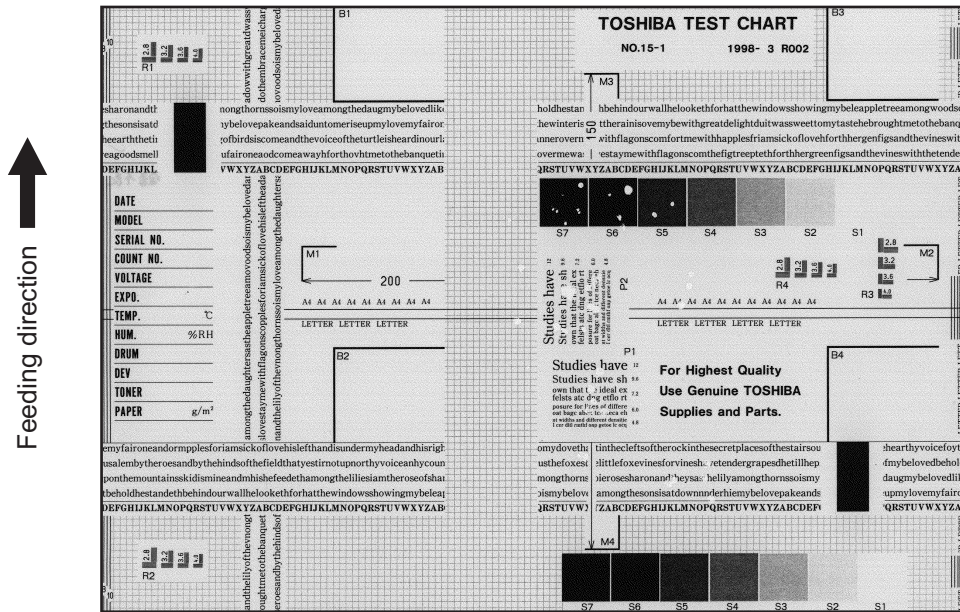


Fig.8-17

Cause/Section	Step	Check item	Measures
Electric power/ control abnormal	1	Is the connector in proper contact with the equipment?	Correct it.
	2	Is the IH control circuit working properly?	Replace the IH board.
	2	Is the IH control circuit (switching regulator) working properly?	Replace the switching regulator.
	3	Are the connectors on the LGC board and joint connectors connected properly?	Reconnect them.
	4	Is the LGC board normal?	Replace the LGC board.
Pressure between fuser belt and pressure roller improper	6	Are the pressure springs working properly?	Check/adjust the pressure springs.
	7	Is the temperature of fuser belt too low?	Check/correct the setting value of fuser belt temperature. Clean or replace the thermopiles. Check/correct the related circuit.
Developer material and toner	8	Using the specified developer material and toner?	Use the specified developer material and toner.
Paper	9	Is the paper damp?	Change the paper.
	10	Is the paper type corresponding to its mode?	Use the proper type of paper or select the proper mode.
	11	Using the recommended paper?	Use the recommended paper.

8.5.10 Blank print

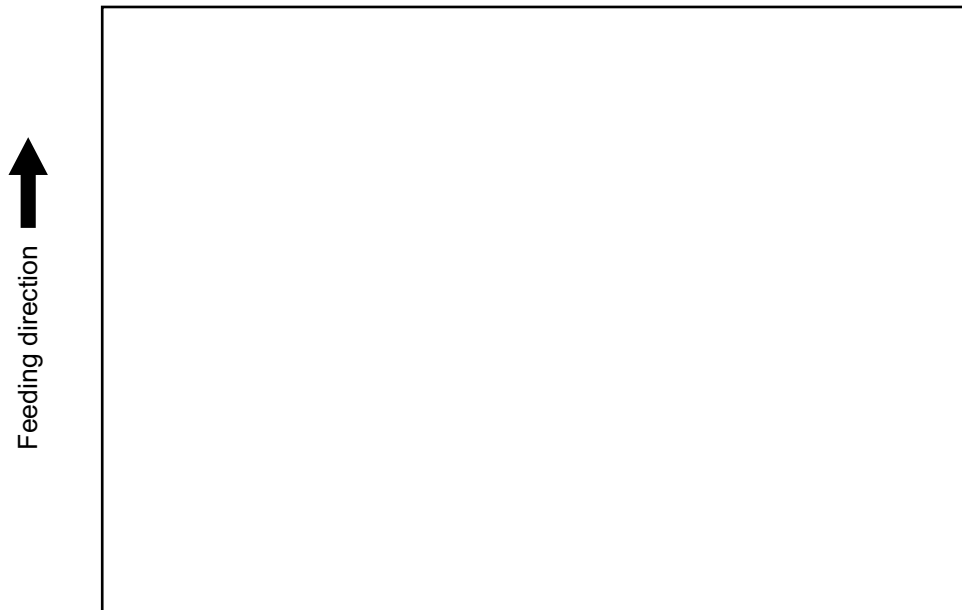


Fig.8-18

Cause/Section	Step	Check item	Measures
High-voltage transformer (1st/2nd transfer roller and developer bias)	1	Is the high-voltage transformer output defective?	Adjust the output and correct the circuit, or replace the transformer.
	2	Are the connector of the high-voltage harness securely connected? Is the harness open circuited?	Reconnect the harness securely. Replace the high-voltage harness.
Developer unit	3	Is the developer unit installed securely?	Check/correct the developer sleeve coupling engaging.
	4	Do the developer sleeve and mixer rotate?	Check/correct the developer drive system.
	5	Is the developer unit filled up with the developer material?	Check that the charger grid is not dirty. (The developer material may be reduced due to the carrier offset.)
	6	Is the developer material properly transported?	Remove foreign matter from the developer material, if any.
	7	Is there any magnetic brush phase error?	Check the developer pole position.
	8	Is the doctor sleeve gap incorrect?	Adjust the gap with the doctor-sleeve jig.
Drum	9	Is the drum rotating?	Check that the drum shaft is inserted. Check the drum drive system.
	10	Is the drum grounded?	Check the contact of the grounding plate.

Cause/Section	Step	Check item	Measures
Transfer unit	11	Is the transfer belt in proper contact with the drum?	Check if the contact releasing lever is at releasing position. Check the installation of the transfer belt.
	12	Is the transport of the transfer belt normal?	Check the installation of the transfer belt or transport mechanism.
	13	Is the 2nd transfer roller contacted and released properly?	Check the connection of the connector of 2nd transfer roller contact clutch and open circuit of harness.
switching regulator	14	Is the power supply output (5.1VD) normal?	Replace the switching regulator.
Harnesses for SLG, SYS, LGC and LDR boards	15	Are the connectors securely connected? Is any harness between the boards open circuited?	Reconnect the connectors securely. Replace the harness.
Laser optical unit	16	Was the protection seal of slit removed when replacing the unit?	Remove the protection seal.

8.5.11 Solid print

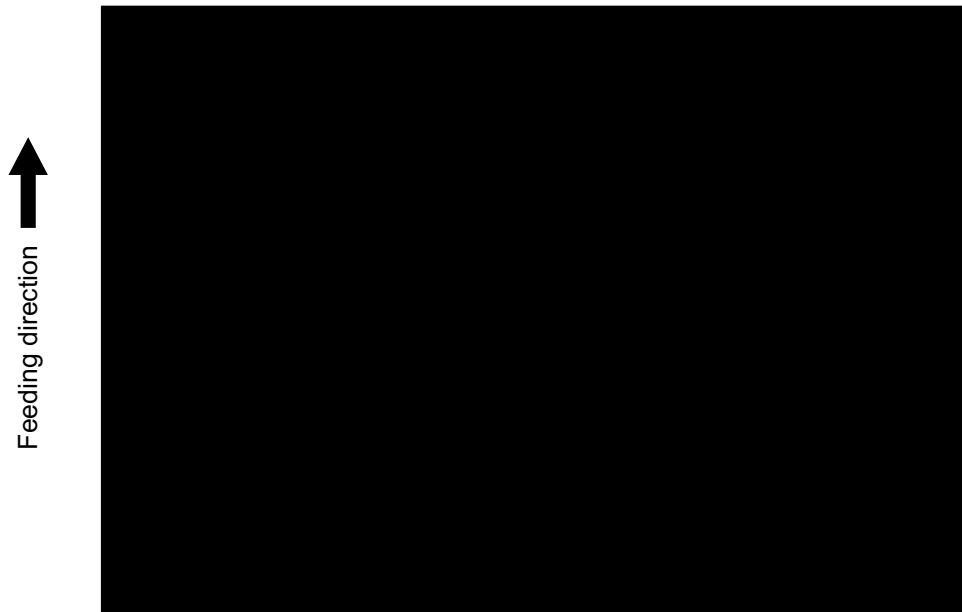


Fig.8-19

Cause/Section	Step	Check item	Measures
Exposure lamp Inverter	1	Does the exposure lamp light?	Check the contact of the inverter connector. If the inverter does not work, replace it. If the lamp does not work, replace it.
Main charger	2	Is the main charger securely installed?	Reinstall it securely.
	3	Does the needle electrode not come off?	Reinstall it securely.
High-voltage transformer (main charger needle electrode/grid bias)	4	Is the high-voltage transformer output defective?	Adjust the output and correct the circuit, or replace the high-voltage transformer.
	5	Are the connector of the high-voltage harness securely connected? Is the harness open circuited?	Reconnect the harness securely. Replace the high-voltage harness.
Harnesses for SLG, SYS, IMG and LGC boards	6	Are the connectors securely connected? Is any harness between the boards open circuited? Is the connector between the SYS and IMG boards not disconnected? Is the connector between the LGC and IMG boards not disconnected?	Reconnect the connectors securely. Replace the harness.
Scanner	7	Is there foreign matter in the optical path?	Remove it.
Bedewing of scanner and drum	8	Is the scanner or the drum bedewed?	Clean the mirrors, lens and drum. Keep the power cord plugged so that the damp heater can work.

8.5.12 White banding or white void (in feeding direction)

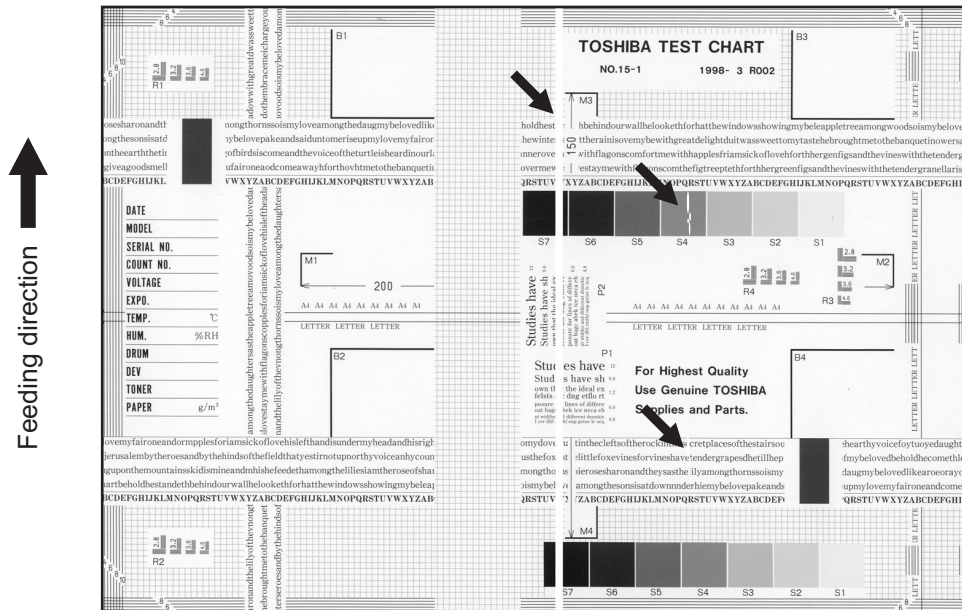


Fig.8-20

Cause/Section	Step	Check item	Measures
Scanner	1	Is there foreign matter or dust in the optical path?	Clean the lens and mirrors.
Laser optical unit, Main charger grid	2	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Laser optical unit	3	Is there foreign matter or dust on the slit glass?	Remove any dirt or foreign matters. (The slit glass can be cleaned even when the process unit is taken off.)
Developer unit	4	Is there foreign matter inside the developer unit or on the developer sleeve?	Check if there is a white streak in the developer material on the developer sleeve. Scrape off foreign matter around the white streak using a jig. If there is no white streak, put the sheet of paper with a white banding to the developer sleeve, and scrape off the developer material around the white band to see if there is foreign matter in it. Scrape off foreign matter and developer material on the developer sleeve. ⓘ P. 7-26"7.6.7 Developer unit (K, Y, M, and C)"

Cause/Section	Step	Check item	Measures
Drum	5	Is there foreign matter on the drum seal?	Remove foreign matter.
	6	Do any paper fibers or dirt adhere to the developer unit and contact with the drum?	Remove the paper fibers or dirt.
	7	Is there scratch or foreign matter on the drum surface?	Replace the drum. If there is a convex foreign matter adhering to the drum surface, it indicates that the blade edge at this area is worn out. In this case, replace both the drum and the drum cleaning blade.
Main charger grid	8	Is there foreign matter on the charger grid?	Remove foreign matter.
Discharge LED	9	Has any LED of Discharge LED gone out?	Replace the Discharge LED.
Transfer unit	10	Is there scratch or foreign matter on the transfer belt surface?	Replace the transfer belt.
	11	Are the harness or foreign matters in contact with the transfer belt surface?	Correct or remove them.
	12	Is there any scratch or hole on the 1st/2nd transfer roller?	Replace the 1st/2nd transfer roller.
	13	Is there any foreign matter on the 2nd transfer facing roller?	Remove foreign matter or clean the roller.
Transport path	14	Does the toner image touch foreign matter after transfer, before entering the fuser unit?	Remove foreign matter.

8.5.13 White banding (at right angles to feeding direction)

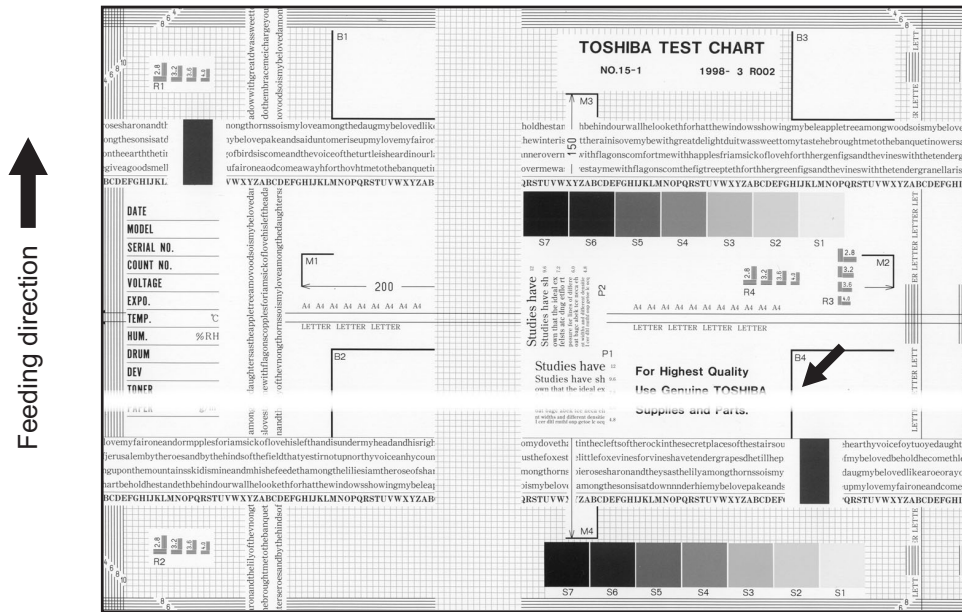


Fig.8-21

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Main charger	2	Is there foreign matter on the charger?	Remove foreign matter.
	3	Is the terminal contact poor?	Clean or adjust the terminals.
	4	Check if the inside wall in the case of the main charger unit is dirty or there is any fouling in the case of the main charger unit.	Clean the inside wall in the case.
	5	Check if the main charger grid is corroded, or rusted, or there is any fouling on the grid.	Replace the main charger grid.
Drum	6	Is there any abnormalities on the drum surface?	Replace the drum.
	7	Is the drum grounded?	Check the contact of the grounding plate.
Discharge LED	8	Is the Discharge LED lighting properly?	Replace the Discharge LED.
Developer unit	9	Is the developer sleeve rotating correctly? Is there any abnormalities on the sleeve surface?	Check the developer drive system, or clean the sleeve surface.
	10	Is the connection of developer bias supply terminal normal?	Correct it.

Cause/Section	Step	Check item	Measures
Drive systems	11	Is the drum, scanner or transfer belt jittery?	Check each drive system.
High-voltage transformer (main charger needle electrode/grid, 1st/2nd transfer roller and developer bias)	12	Is the high-voltage transformer output defective?	Check/correct any electric leakage and related circuits. If the high-voltage transformer does not work, replace it.

8.5.14 Skew (slantwise copying)

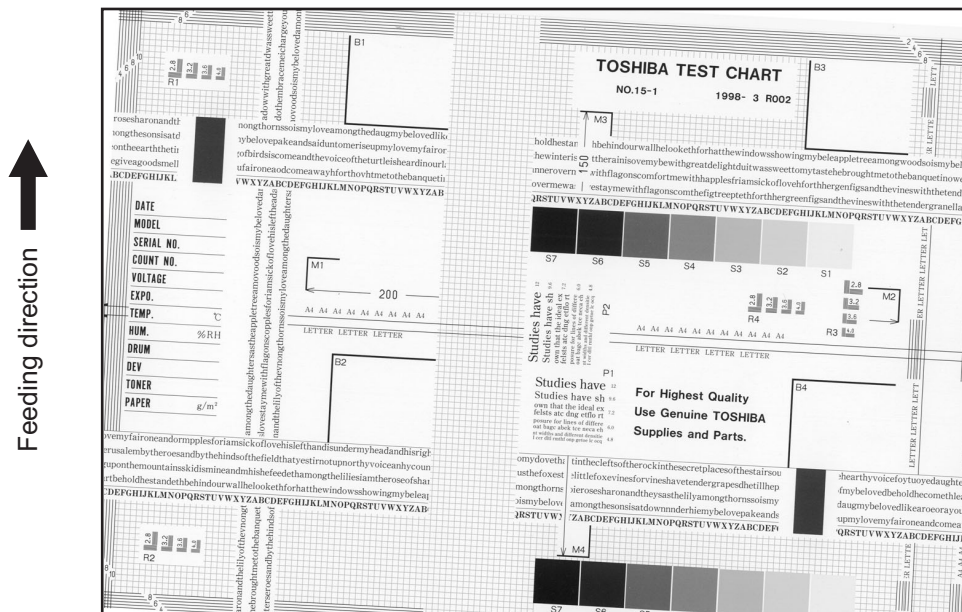


Fig.8-22

Cause/Section	Step	Check item	Measures
Drawer/LCF	1	Is the drawer or LCF properly installed?	Reinstall the drawer or LCF properly.
	2	Is too much paper loaded in the drawer or LCF?	Reduce paper to 550 sheets or less. (Tandem LCF: feeding side 1200 sheets or less/ stack, standby side 1200 sheets or less/ stack)
	3	Is the paper corner folded?	Change the paper direction and reinsert it.
	4	Are the drawer or LCF side guides properly set?	Adjust the side guides.
Paper feed roller	5	Is the surface of paper feed roller dirty?	Clean the roller surface with alcohol, or replace the roller.
Rollers	6	Is each roller improperly fixed to the shaft?	Check E-rings, pins and clips.
Aligning amount	7	Is the aligning amount proper?	Increase the aligning amount.
Registration roller	8	Is the registration roller spring removed?	Mount the spring correctly. Clean the roller if it is dirty.
Registration guide	9	Is the registration guide improperly installed?	Correct it.
2nd transfer front guide	10	Is the 2nd transfer front guide installed properly?	Correct it.
RADF	11	Is the RADF installed and adjusted properly?	Reinstall and readjust it.
Transfer unit	12	Is the transfer belt unit installed properly?	Correct it.

8.5.15 Color banding (in feeding direction)

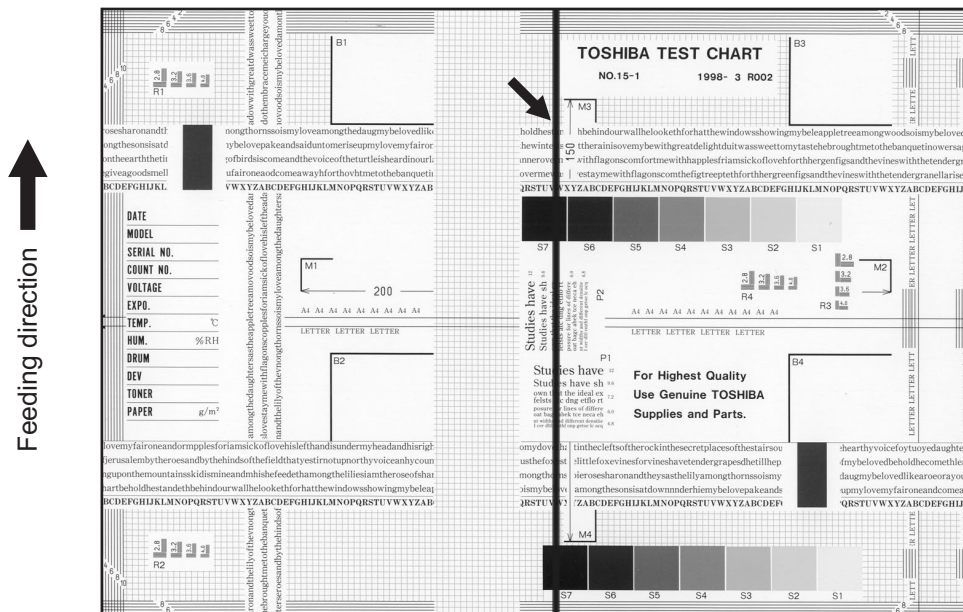


Fig.8-23

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Scanner	2	Is there foreign matter in the optical path?	Clean the slit, lens and mirrors.
	3	Is there dust or stain on the shading correction plate or ADF original glass?	Clean it.
Main charger	4	Is there foreign matter on the charger grid?	Remove foreign matter.
	5	Is the charger grid dirty or deformed?	Clean or replace the charger grid.
	6	Is there foreign matter on the main charger?	Remove foreign matter.
	7	Is the needle electrode dirty or deformed?	Clean or replace the needle electrode.
	8	Is the needle electrode cleaner dirty or deformed?	Clean or replace the needle electrode cleaner.
	9	Is the inner surface of charger case dirty?	Clean inside.
Drum cleaner	10	Is there any foreign matter on the drum cleaning blade edge?	Clean or replace the drum cleaning blade.
	11	Is toner recovery defective?	Clean the toner recovery auger section.

Cause/Section	Step	Check item	Measures
Transfer unit	12	Are the harness or foreign matters in contact with the transfer belt surface?	Correct or remove them.
	13	Is there paper dust on the edge of transfer belt cleaning blade?	Clean or replace the transfer belt cleaning blade.
	14	Is the transfer belt cleaning blade in proper contact with the transfer belt?	Take off the transfer belt and check if the transfer belt cleaning blade pressure spring is installed properly.
	15	Is the paper mode correct for the paper in use?	Set the correct paper mode. If streaks still appear in the correct paper mode, follow step 16.
	16	Is the bias output dependent on the 2nd transfer bias?	Perform the following (*1) adjustment (05 mode).
Fuser unit	17	a. Is there dirt or scratches on the fuser belt and pressure roller. b. Is the thermistor dirty?	a. Clean or replace them. b. Clean the thermistor.
Drum	18	Are there scratches on the drum surface?	Replace the drum.
Laser optical unit	19	Is there foreign matter or dust on the slit glass?	Remove foreign matter or dust.

(*1): Decrease the corresponding 2nd transfer bias output as follows depending on what happened, and check if the residual image has changed and adjust the value accordingly.

Front side, color mode

Decrease the value of the code 05-2934-0 to -9 by 1 while you are checking how the streaks have changed.

Back side, color mode

Decrease the value of the code 05-2935-0 to -9 by 1 while you are checking how the streaks have changed.

Front side, black mode

Decrease the value of the code 05-2936-0 to -9 by 1 while you are checking how the streaks have changed.

Back side, black mode

Decrease the value of the code 05-2937-0 to -9 by 1 while you are checking how the streaks have changed.

8.5.16 Color banding (at right angles to feeding direction)

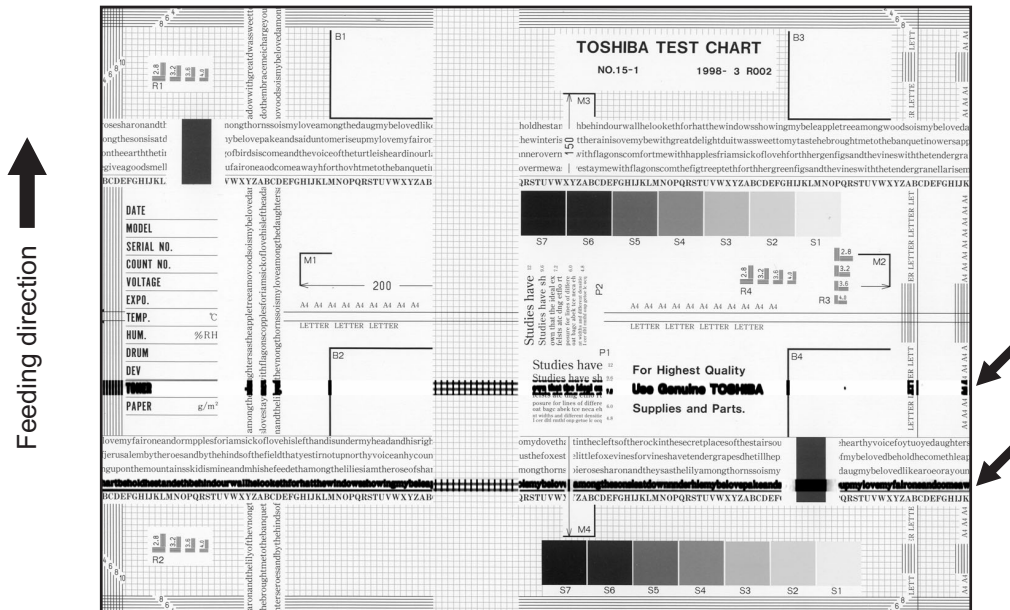


Fig.8-24

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Main charger	2	Is the needle electrode dirty or deformed?	Clean or replace the needle electrode.
Fuser unit	3	Is the fuser belt or pressure roller dirty?	Clean them.
High-voltage transformer (main charger needle electrode/grid and transfer roller bias)	4	Is the high-voltage transformer output defective?	Check the circuit and replace the high-voltage transformer if not working.
	5	Is each joint of high-voltage output loosened? (Check if any electric leakage is causing noise.)	Reconnect each joint.
Drum	6	Is there deep scratch on the drum surface?	Replace the drum, especially if the scratch has reached the aluminum base.
	7	Are there fine scratches on the drum surface (drum pitting)?	Check and correct the contact of cleaning blade and recovery blade.
	8	Is the drum grounded?	Check the contact of the grounding plate.
2nd transfer roller	9	Is the 2nd transfer roller rotating normally?	Clean the roller area or replace the roller.
Scanner	10	Is there foreign matter on the carriage rail?	Remove foreign matter.

8.5.17 White spots

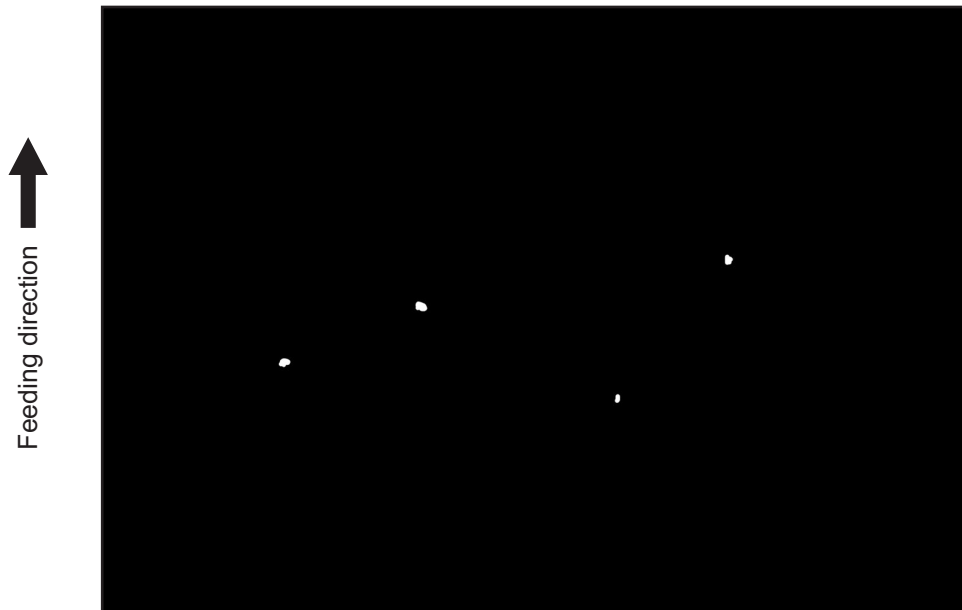


Fig.8-25

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Developer unit/ Toner cartridge	2	Is the toner density of developer material proper?	Check and correct the auto-toner sensor and toner supply operation. Check if the amount of toner is sufficient in the toner cartridge.
	3	Is the doctor-sleeve gap proper?	Adjust the gap.
Developer material/Toner/ Drum	4	Using the specified developer material, toner and drum?	Use the specified developer material, toner and drum.
	5	Have the developer material and drum reached their PM life?	Replace the developer material and drum.
	6	Is the storage environment of the toner cartridge 35oC or less without dew?	Use the toner cartridge stored in the environment within specification.
	7	Is there any dent on the surface of the drum?	Replace the drum.
	8	Is there any film forming on the drum?	Clean or replace the drum.
	9	Is the drum bedewed?	Wipe the drum surface with a piece of dry cloth.
Transfer unit	10	Is there any foreign matter or oil on the transfer belt surface?	Remove foreign matter. If there is any oil, clean it off with alcohol.
	11	Is there foreign matter on the transfer belt or 2nd transfer facing roller?	Clean the 2nd transfer facing roller and the transfer belt.

Cause/Section	Step	Check item	Measures
Main charger	12	Is there foreign matter on the charger?	Remove it.
	13	Is the needle electrode dirty or deformed?	Clean or replace the needle electrode.
High-voltage transformer (main charger needle electrode/grid, developer 1st/2nd transfer roller bias)	14	Is the high-voltage transformer output defective?	Adjust the output.
Paper	15	Is the paper type corresponding to its mode?	Use the proper type of paper or select the proper mode.

8.5.18 Poor transfer

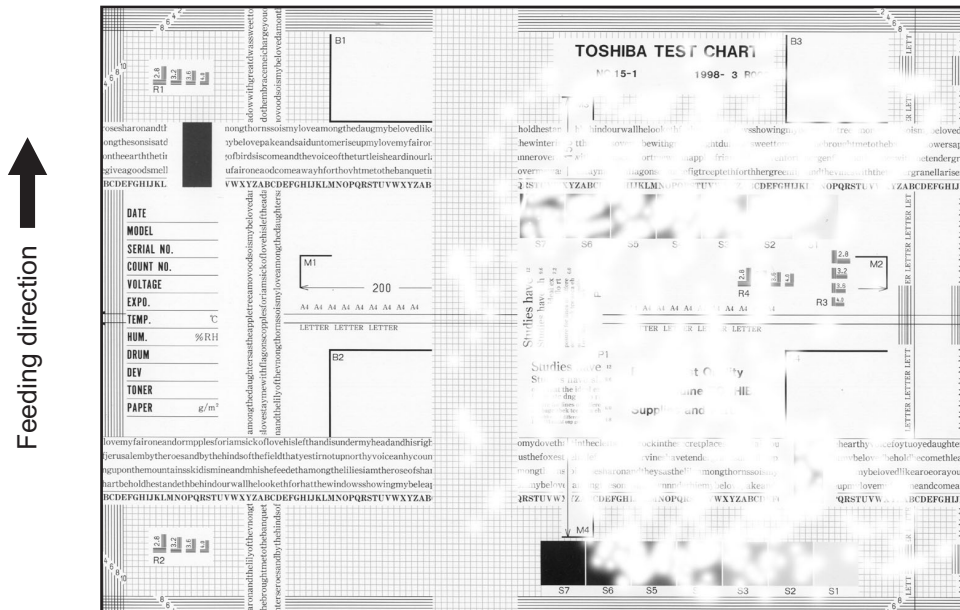


Fig.8-26

Cause/Section	Step	Check item	Measures
Transfer unit	1	Is the transfer belt or 1st/2nd transfer rollers dirty?	Clean it.
	2	Is the transfer belt in proper contact with the drum?	Correct it.
	3	Is the 2nd transfer roller in proper contact with the transfer belt?	Correct it.
	4	Is there any deformation or abnormalities on the transfer belt?	Replace the belt.
	5	Is the 2nd transfer facing roller dirty?	Clean the 2nd transfer facing roller and the transfer belt. Replace the cleaning pad.
Paper	6	Is the high-voltage fed to the 2nd transfer roller correctly?	If any contact failure occurs in the feeding area (e.g. the conductive bushing and spring come off), correct it.
	7	Is paper in the drawer or LCF curled?	Reinsert paper with reverse side up or change paper.
	8	Is paper in the drawer or LCF damp?	Change paper. Avoid storing paper in damp place.
Registration roller	9	Is the registration roller malfunctioning?	Clean the roller, remount the spring, or replace defective motor-related parts.
High-voltage transformer (1st/2nd transfer roller bias)	10	Is the high-voltage transformer output defective?	Check the circuit and adjust the transformer output.
	11	Are the high-voltage harness and terminals in proper contact?	Correct them if loosened.

Cause/Section	Step	Check item	Measures
2nd transfer contact/release unit (cam unit)	12	Is there any abnormality on the cam, pusher and actuator?	Check if the cam, pusher and actuator are installed correctly and there are no damages on them. Repair or replace them if needed.
	13	Is the 2nd transfer pressure reduction operating correctly during Thick paper printing?	Invalidate the 2nd transfer pressure reduction operation (change the value from "1" to "0" for 08-4663.), and check if the transfer failure is cleared. If it still persists, perform step 12 again.

8.5.19 Uneven image density 1

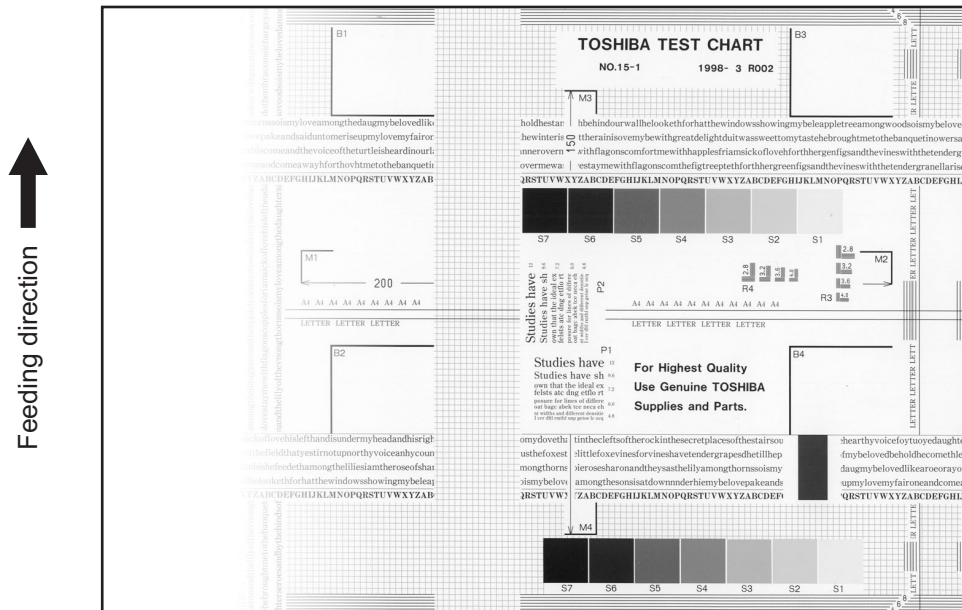


Fig.8-27

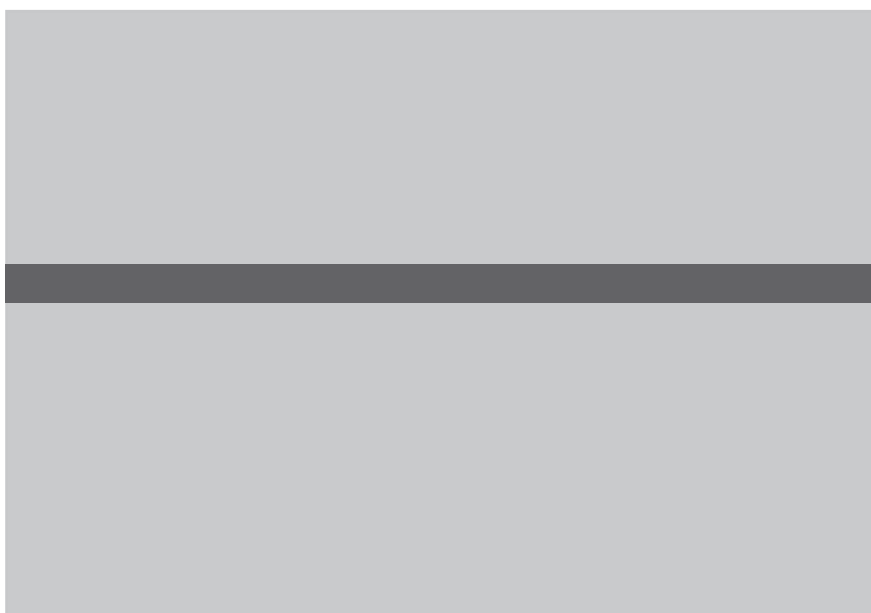
Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Main charger	2	Is the main charger dirty?	Clean it or replace the needle electrode.
Transfer unit	3	Is the transfer belt in proper contact with the drum?	Check if the transfer belt is installed properly. Check if the TBU lock lever is in the release position.
	4	Is the transfer belt or 1st/2nd transfer rollers dirty?	Clean the belt.
	5	Is 2nd transfer roller in proper contact with the transfer belt? (Is the roller tilted?)	Correct it.
	6	Is there any abnormalities or deformation on the transfer belt?	Replace the transfer belt.
Laser optical unit	7	Is there foreign matter or dust on the slit glass?	Clean the slit glass.
Discharge LED	8	Is the Discharge LED dirty?	Clean it.
	9	Has any LED of Discharge LED gone out?	Replace it.

Cause/Section	Step	Check item	Measures
Developer unit	10	Is the magnetic brush in proper contact with the drum?	Adjust the doctor-sleeve gap.
	11	Is the developer unit pressure spring applying properly?	Check the pressure spring.
	12	Is the transport of developer material poor?	Remove foreign matter if any.
Scanner section	13	a. Is the RADF open? b. Is the original glass, mirrors, or lens dirty?	a. Close the RADF. b. Clean them.

8.5.20 Uneven image density 2



← Feeding direction
Fig.8-28



← Feeding direction
Fig.8-29

Cause/Section	Step	Check item	Measures
Developer unit	1	Is the layer of the developer material on the developer sleeve where the density is uneven thin or lacking?	<ul style="list-style-type: none"> • Remove the foreign matter in the developer unit. See "2. Removal of foreign matter in the developer unit" in "7.6.7 Developer unit (K, Y, M and C)". • Clean the developer unit. See "1. Cleaning" in "7.6.7 Developer unit (K, Y, M and C)".
	2	Does uneven image density occur again?	Adjust the doctor-sleeve gap close to the upper limit value of the adjustment standard. See "6.4.3 Adjustment of the doctor-sleeve gap".

8.5.21 Faded image (low density)

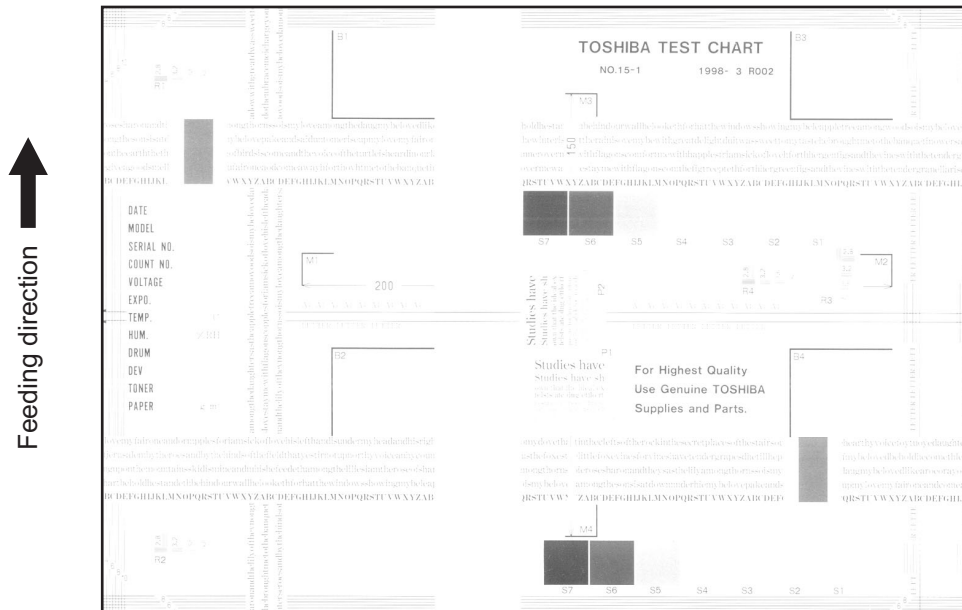


Fig.8-30

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Toner empty Auto-toner circuit	2	Is the "ADD TONER" symbol blinking?	Replace the toner cartridge.
	3	Is there enough toner in the cartridge?	Check the auto-toner circuit function.
	4	Is the toner density of developer material too low?	
Toner motor	5	Is the toner motor malfunctioning?	Check the motor drive circuit.
Toner cartridge	6	Are there any abnormalities in the toner cartridge?	Replace the toner cartridge.
Developer material	7	Has the developer material reached its PM life?	Replace developer material.
Developer unit	8	Is the magnetic brush in proper contact with the drum?	Check the developer unit installation. Check the doctor-sleeve gap and pole position.
Main charger	9	Is the main charger dirty?	Clean it or replace the needle electrode.
Drum	10	Is there film forming on the drum surface?	Clean or replace the drum.
	11	Has the drum reached its PM life?	Replace the drum.
Transfer unit	12	Is the transfer belt or the 1st transfers roller dirty?	Clean the transfer belt and the 1st transfers roller.
	13	Is the 2nd transfer roller reached its PM life?	Replace the 2nd transfer roller.

Cause/Section	Step	Check item	Measures
High-voltage transformer (developer bias)	14	Is the high-voltage transformer output settings improper?	Adjust the high-voltage transformer output.
	15	Are the connector of the high-voltage harness securely connected? Is the harness open circuited?	Reconnect the harness securely. Replace the high-voltage harness.
2nd transfer contact/release unit (cam unit)	16	Is there any abnormality on the cam, pusher and actuator?	Check if the cam, pusher and actuator are installed correctly and there are no damages on them. Repair or replace them if needed.
	17	Is the 2nd transfer pressure reduction operating correctly during Thick paper printing?	Invalidate the 2nd transfer pressure reduction operation (change the value from "1" to "0" for 08-4663.), and check if the transfer failure is cleared. If it still persists, perform step 16 again.

8.5.22 Image dislocation in feeding direction

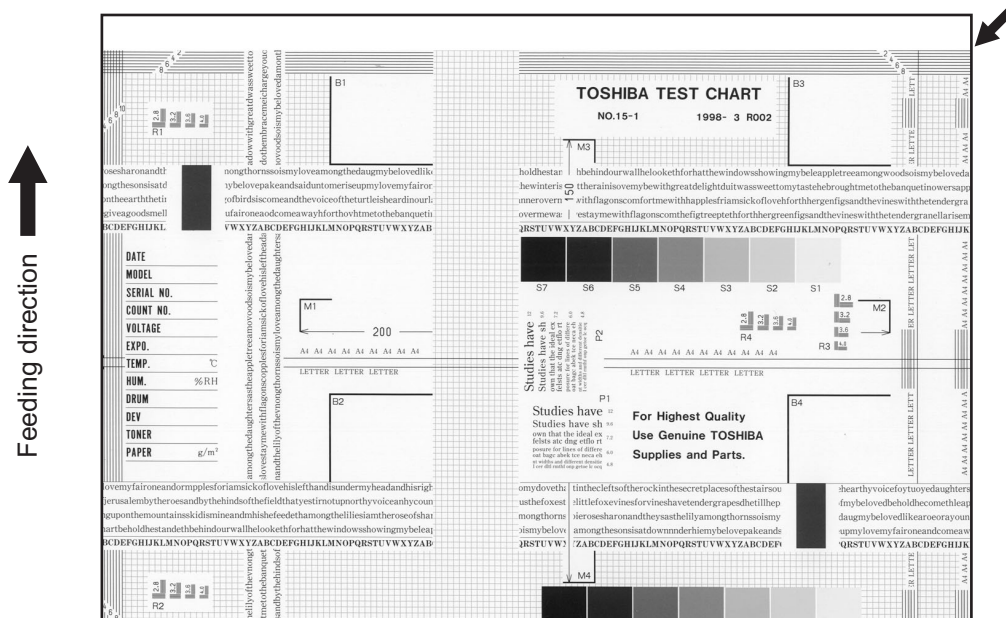


Fig.8-31

Cause/Section	Step	Check item	Measures
Adjustment error of scanner or printer section	1	Is same dislocation on every copy?	Adjust the scanner/printer using the Adjustment Mode.
Registration roller	2	Is the registration roller dirty, or is the spring removed?	Clean the roller with alcohol. Reinstall the spring.
	3	Is the registration motor malfunctioning?	Adjust or replace the gears, etc. if they are not engaged properly.
	4	Is the registration motor operating normally? (Is the timing of operation delaying?)	Replace the registration motor.
Paper feed clutch, Transport clutch	5	Are the paper feed clutch and transport clutch malfunctioning?	Check the circuit or the clutch and replace them if necessary.
Aligning amount	6	Is the aligning amount proper?	Decrease the aligning amount.
Each roller	7	Are the roller and shaft not fixed securely?	Check the E-ring, pin and clip.
	8	Is the roller surface dirty?	Clean the roller surface with alcohol or replace it.
Registration guide	9	Is the registration guide improperly installed?	Reinstall the guide.

8.5.23 Image jittering

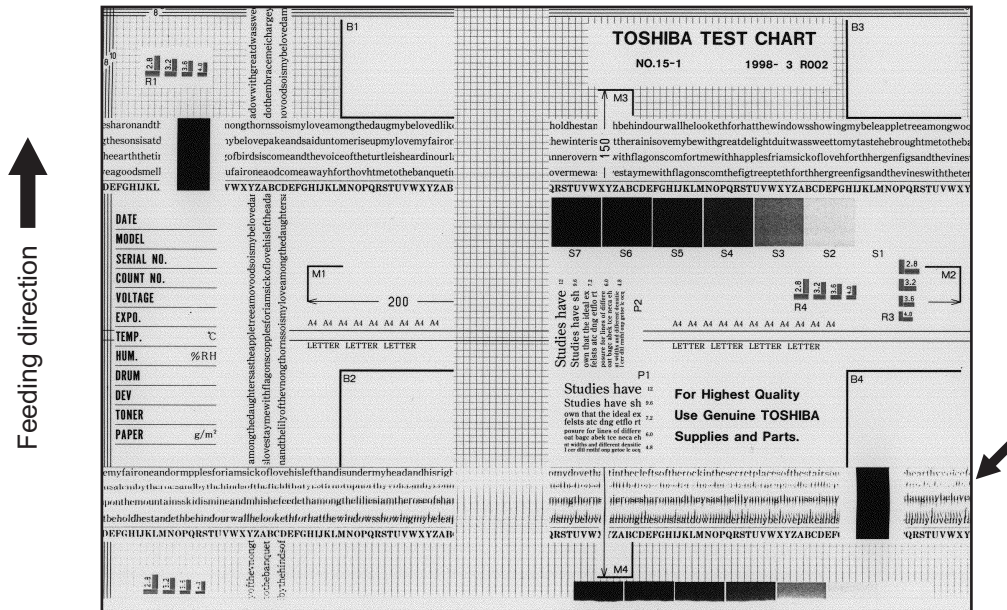


Fig.8-32

Cause/Section	Step	Check item	Measures
-	1	Is the toner image on the drum proper?	If proper, perform step 1 to 3; otherwise perform step 4 and after.
Registration roller	2	Is the registration roller rotating normally?	Check the registration roller section and its springs.
Transfer unit	3	Is the transfer belt or 2nd transfer roller operating normally?	Check the drive system and replace the transfer belt or 2nd transfer roller if necessary.
Fuser unit	4	Are the fuser belt and pressure roller rotation proper? Is the fuser belt transportation proper?	Check the drive system. Replace the fuser belt, fuser roller and pressure roller if necessary.
Drum	5	Is there large scratch on the drum?	Replace the drum.
Scanner	6	Is the slide sheet defective?	Replace it.
	7	Are there any abnormalities on the carriage feet?	Replace the feet.
	8	Is the tension of timing belt inappropriate?	Correct the tension.
	9	Is the carriage drive system malfunctioning?	Check the carriage drive system.
	10	Are any mirrors loosely installed?	Install them properly.
Drum drive system	11	Is the drum drive system malfunctioning?	Check the drum drive system. Clean or replace the belts, pulleys, bushings if they have dirt or scratches.

Cause/Section	Step	Check item	Measures
Developer unit	12	Is there any abnormality on the driving gear in the developer unit?	<p>Check the driving gear in the developer unit.</p> <p>Replace the driving gear if it is worn out.</p> <p>Remove any developer material from the driving gear, and then reapply grease.</p>

8.5.24 Poor cleaning

Notes:

Poor cleaning may occur in feeding direction.

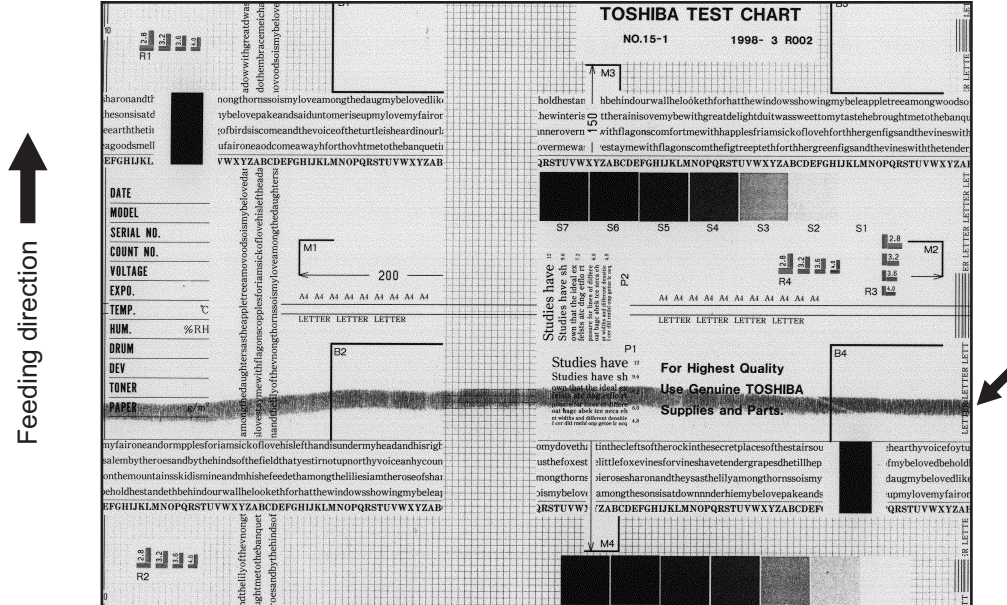


Fig.8-33

Cause/Section	Step	Check item	Measures
Developer material	1	Is the specified developer material used?	Use the specified developer material and toner.
Drum cleaner	2	Is there dust on the drum cleaning blade edge?	Clean or replace it.
	3	Is the drum cleaning blade peeled?	Replace the blade.
Transfer belt cleaner	4	Is there paper dust on the edge of transfer belt cleaning blade?	Clean or replace it.
	5	Is the transfer belt cleaning blade peeled?	Replace the blade.
	6	Is the transfer belt cleaning blade in proper contact with the transfer belt?	Take off the transfer belt and check if the transfer belt cleaning blade pressure spring is installed properly.
Toner recovery auger	7	Is the toner recovery defective?	Clean the toner recovery auger. Check the cleaning blade pressure.
Fuser unit	8	Is there any bubble-like defect on the fuser belt (approx. 188 mm pitch on the image)?	Replace the fuser belt. Check and modify the heater IH control circuit.
	9	Have the fuser belt and pressure roller reached their PM life?	Replace them.
	10	Is the pressure between the fuser belt and pressure roller proper?	Check and adjust the pressure mechanism.
	11	Is the temperature of fuser belt proper?	Check/correct the setting value of fuser belt temperature. Clean or replace the thermopiles. Check and correct the circuit.

8.5.25 Uneven light distribution

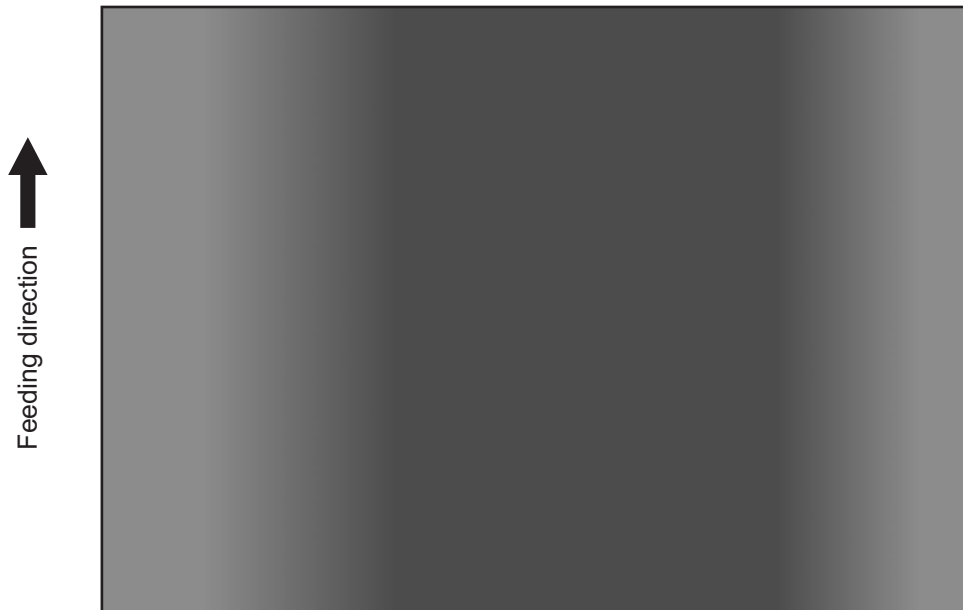


Fig.8-34

Cause/Section	Step	Check item	Measures
Laser optical unit, Main charger grid	1	Perform the enforced performing of image quality closed-loop control (05-2742).	When the enforced performing of image quality closed-loop control is performed, the automatic cleaning of main charger and the LSU slit glass cleaning are performed at the same time.
Original glass	2	Is the original glass dirty?	Clean the glass.
Main charger	3	Are the needle electrode, grid and case dirty?	Clean or replace them.
Discharge LED	4	Is the Discharge LED dirty?	Clean it.
Scanner	5	Are the reflector, exposure lamp, mirrors, lens, etc. dirty?	Clean them.
Exposure lamp	6	Is the exposure lamp tilted?	Adjust the installed position of the lamp.
	7	Is the lamp discolored or degraded?	Replace it.
Process unit	8	Is the laser beam interrupted by a foreign material adhering to the doctor blade area of the developer unit or the charger case of the main charger?	Remove the foreign material.

8.5.26 Blotched image

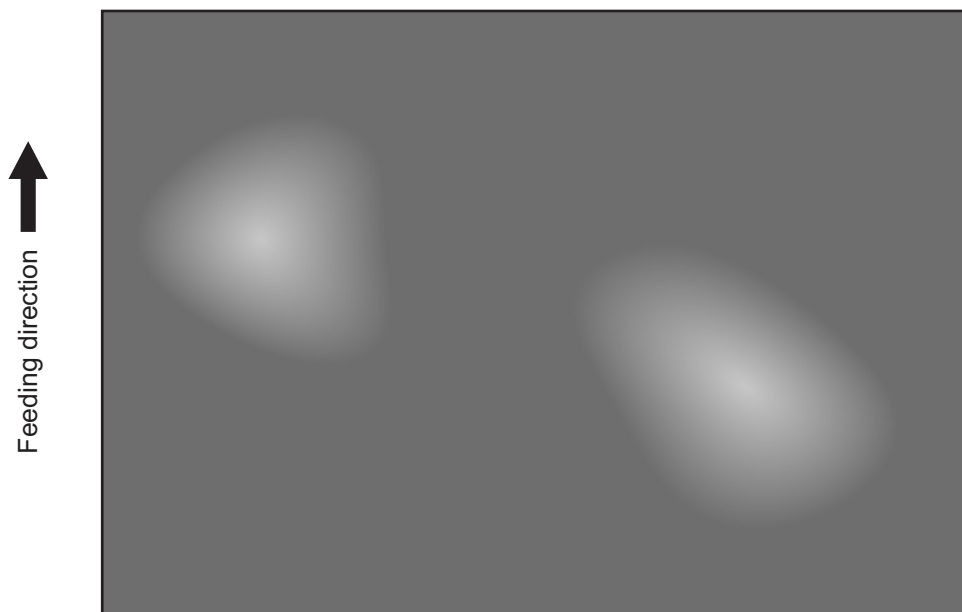


Fig.8-35

Cause/Section	Step	Check item	Measures
Paper	1	Is the paper type corresponding to its mode?	Check the paper type and mode.
	2	Is paper too dry?	Change paper.
Transfer unit	3	Is the transfer belt in proper contact with the drum?	Correct it.
	4	Is the 2nd transfer roller in proper contact with the transfer belt?	Correct it.
	5	Are there any abnormalities on the transfer belt?	Clean or replace the transfer belt.
High-voltage transformer (1st/2nd transfer roller bias)	6	Is the high-voltage transformer output abnormal?	Adjust the output. Replace the transformer, if necessary.

8.5.27 Stain on the paper back side

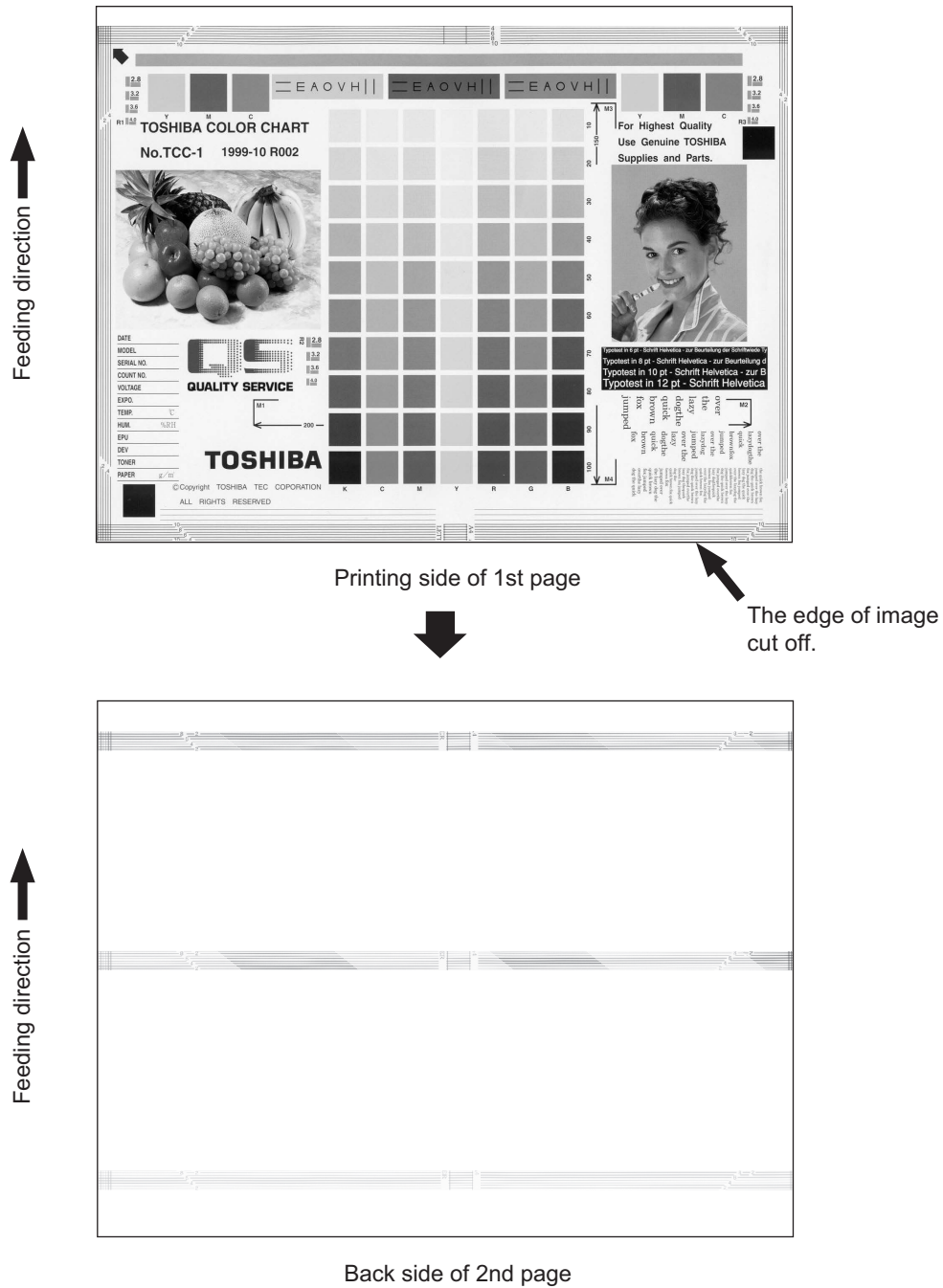
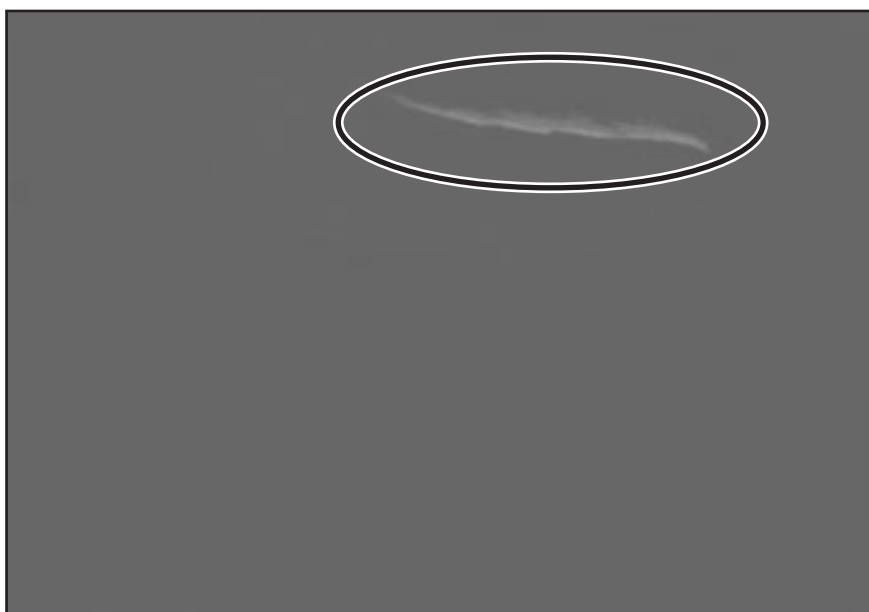


Fig.8-36

Cause/Section	Step	Check item	Measures
Image adjustment/ setting	1	Is the margin adjustment of image correct?	Adjust the margin.
	2	Is the margin adjustment of image correct when the paper size is not selected in bypass feeding?	Adjust the margin.
	3	Is the margin adjustment of image at duplexing correct?	Adjust the margin. (05-4064 0 to 5)
	4	Is the image location in primary/ secondary scanning direction correct?	Adjust the location.
	5	Is the reproduction ratio of image in primary/secondary scanning direction correct?	Adjust the reproduction ratio.
	6	Is the tab setting correct?	Correct the setting.
Paper feeding /Transport area	7	Does the size of paper in the drawer or LCF correspond to the setting?	Use the appropriate paper size or correct the size setting.
	8	Is the width between the slides in the drawer correct (too wide)?	Correct the position of the slides.
	9	Is the width between the slides of the bypass tray correct (too wide)?	Correct the width.
	10	Is the sideways deviation adjustment for drawers or slides of the bypass tray correct?	Adjust the deviation.
	11	Is the paper aligning amount sufficient?	Adjust the aligning amount.
	12	Are the feed roller and transport roller dirty or worn out?	Clean or replace the rollers.
	13	Does the paper mode correspond to the paper type?	Use the appropriate paper type or paper mode.
	14	Using the recommended paper?	Use the recommended paper.
Transfer unit	15	Is there any stain caused by a poor cleaning, etc. on the transfer belt?	Clean the transfer belt.
	16	Is the transfer belt cleaning blade in proper contact with the transfer belt?	Take off the transfer belt and check if the transfer belt cleaning blade pressure spring is installed properly.
	17	Is the 2nd transfer roller rotating properly?	Clean the area around the roller. Otherwise replace the roller.
	18	Is there any foreign matter or stain on the 2nd transfer roller?	Clean or replace the roller.
	19	Has the 2nd transfer roller reached to its PM life?	Replace the 2nd transfer roller.
2nd transfer unit	20	Is there any staining caused by poor cleaning, etc. on the 2nd transfer roller?	Clean the 2nd transfer roller.
	21	Is the 2nd transfer roller cleaning blade in proper contact with the 2nd transfer roller?	Check if the 2nd transfer roller cleaning blade is properly installed.
	22	Has the 2nd transfer roller or the 2nd transfer roller cleaning blade reached the end of its PM life?	Replace the 2nd transfer roller or the 2nd transfer roller cleaning blade.

Cause/Section	Step	Check item	Measures
Fuser unit	23	<p>Are the fuser belt, pressure roller, separation plate, separation fingers and edge thermistor dirty? To check the separation plate, take it off and check its front and back sides. Check the gap between the separation plate and the fuser belt.</p>	<p>Clean the fuser belt, pressure roller, separation plate, separation fingers and edge thermistor. If the separation plate has been taken off, check the gap between the separation plate and the fuser belt. Then adjust the gap. 📖 P. 6-106"6.11.4 Gap adjustment for separation plate"</p>
	24	Is the rib of transport guide dirty?	Clean the rib.
	25	<p>Check the settings of the self diagnostic codes.</p> <ul style="list-style-type: none"> • Is the value for pressure roller contact / release setting (08-5248) "1" (Release)? • Are the values for Plain paper: Heater forced On time (08-2012-0 to 3) "0" (Invalid)? • Are the values for Time setting to keep temperature for print operation at print end (08-2179-0 to 2) "0" (Invalid)? 	<ul style="list-style-type: none"> • Set the value for Pressure roller contact / release setting (08-5248) to "1" (Release). • Set the values for Plain paper: Heater forced On time (08-2012-0 to 3) to "0" (Invalid). • Set the values for Time setting to keep temperature for print operation at print end (08-2179-0 to 2) to "0" (Invalid).

8.5.28 White void in the halftone



← Feeding direction

Fig.8-37

Cause/Section	Step	Check item	Measures
Paper	1	Does the paper mode correspond to the paper type?	Check the paper type. Use the recommended paper.
	2	Is the paper damaged such as curled?	Replace the paper.
Fuser unit	3	Installed position of the fuser unit	Install it correctly.
	4	Is there any stain on the metal plate of the paper guide?	Clean the paper guide.
	5	Is there any deformation or scratch on the metal plate of the paper guide?	Replace the paper guide.
	6	Is there any stain on the rib plastic part in the paper guide?	Clean the paper guide.
2nd transfer unit area	7	Are the plastic part and the sensor bracket in the 2nd transfer rear guide installed properly?	Install them correctly.

8.5.29 Paper wrinkle

There are 2 locations where the paper wrinkle occurs: before the fusing stage and in the fuser unit
See below to determine the case.

Smooth out the wrinkled paper. When there is no image in the wrinkled area

→ See (1) "Paper wrinkle before fusing".

Smooth out the wrinkled paper. When there is a copied image in the wrinkled area

→ See (2) "Paper wrinkle in the fuser unit".

(1) Paper wrinkle before fusing

Is paper properly set?

| NO → Set paper properly.

v

YES

Is there any abnormality such as scratch or wear on the transport roller?

| YES → Replace the transport roller.

v

NO

1. Increase the adjustment value for the paper alignment.

📖 P. 6-10"6.1.6 Paper alignment at the registration roller"

2. Increase the transport motor speed. (Adjust it at the code 05-4532 0 to 3.)

(2) Paper wrinkle in the fuser unit

Is the paper properly set?

| NO → Set the paper properly.

v

YES

Has the paper absorbed moisture?

| YES → Use paper that has not absorbed moisture.

v

NO

Is flexible paper such as recycled paper used?

| YES → Switch to the recycled paper mode.

| (Select "RECYCLED PAPER" in MEDIA TYPE.)

v If the paper wrinkle still appears, proceed to NO.

NO

1. Adjust the inlet guide of the fuser unit and check if the paper wrinkle disappears. (Fig. 5-28)

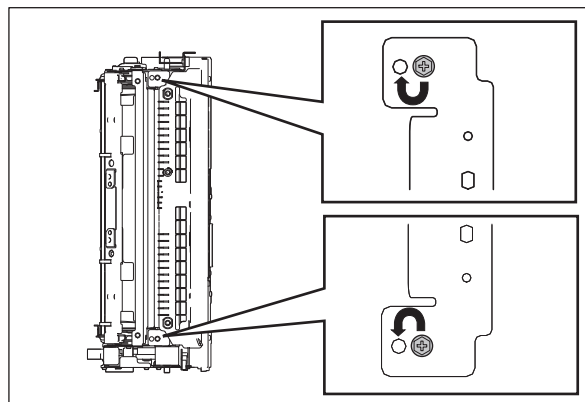


Fig.8-38

8.5.30 Residual image

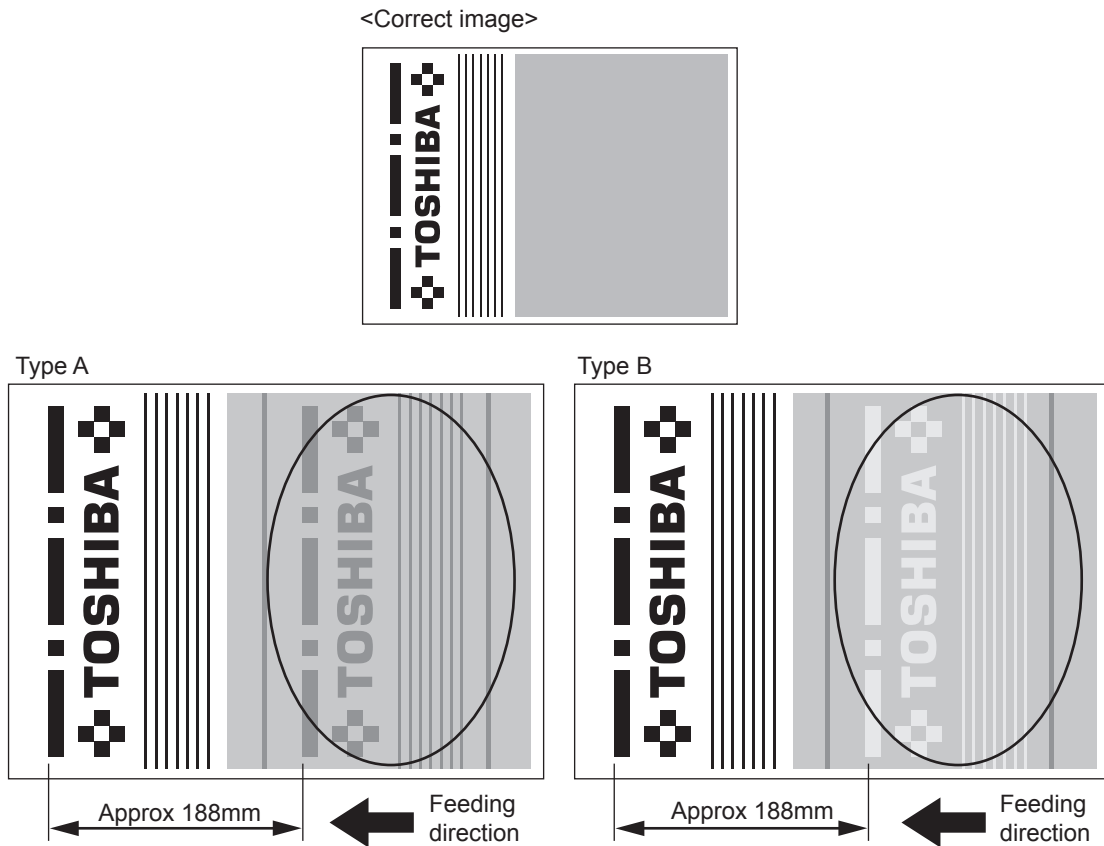


Fig.8-39

2 types (A and B) of residual images are identified. The common phenomenon is an image fused on the photoconductive drum one round before appears faintly on the halftone part of the next image.

Cause/Section	Step	Check item	Measures
Main charger	1	Is the connector of each discharge LED securely connected?	Reconnect it securely.
	2	Is any of the discharge LED dirty?	Clean it.
Drum	3	Has any of the drums reached its PM life?	Replace it.
Transfer belt unit (mainly the cause of type B)	4	Is the transfer belt unit properly installed?	Check and reinstall it properly.
	5	Is the transfer belt contacting with the drum properly?	Check if the transfer belt is at the releasing position Check if there is any damage to the bracket of the 1st transfer roller.
	6	Is the power supply spring on the rear side of the transfer belt unit deformed?	Correct it.
	7	Is the bias output dependent on the 1st transfer bias?	Refer to the explanation below.*

* Decrease the corresponding 1st transfer bias output as follows according to the phenomena which occurred, and check if the residual image has changed and adjust the value accordingly.

Plain paper and black

If the model is the e-STUDIO6550C, decrease the value of the code 05-2905-12 by 1 while you are checking how the residual image has changed.

If the model is the e-STUDIO5540C or 6540C, decrease the value of the code 05-2905-5 by 1 while you are checking how the residual image has changed.

Plain paper and color

Decrease all the values of the code 05-2905-0 to -4 by 1 while you are checking how the residual image has changed.

Thick paper 1, 2, 3, 4 and black

Decrease the value of the code 05-2905-11 by 1 while you are checking how the residual image has changed.

Thick paper 1, 2 and color

Decrease all the values of the code 05-2905-6 to -10 by 1 while you are checking how the residual image has changed.

Thick paper 3, 4 OR special paper, OHP and color

Decrease all the values of the code 05-2905-13 to -17 by 1 while you are checking how the residual image has changed.

Special paper, OHP / black

Decrease the value of the code 05-2905-18 by 1 while you are checking how the residual image has changed.

Notes:

1. If the cause is the dependency on the 1st transfer bias, the residual image gradually disappears as you decrease the value of the sub-code of this code.
2. However, the solid part of the image may become light or an uneven grain may appear on the image if the value is too small. Check the image carefully and set the value at the point that all the factors of the image are balanced.

8.5.31 Feathered image

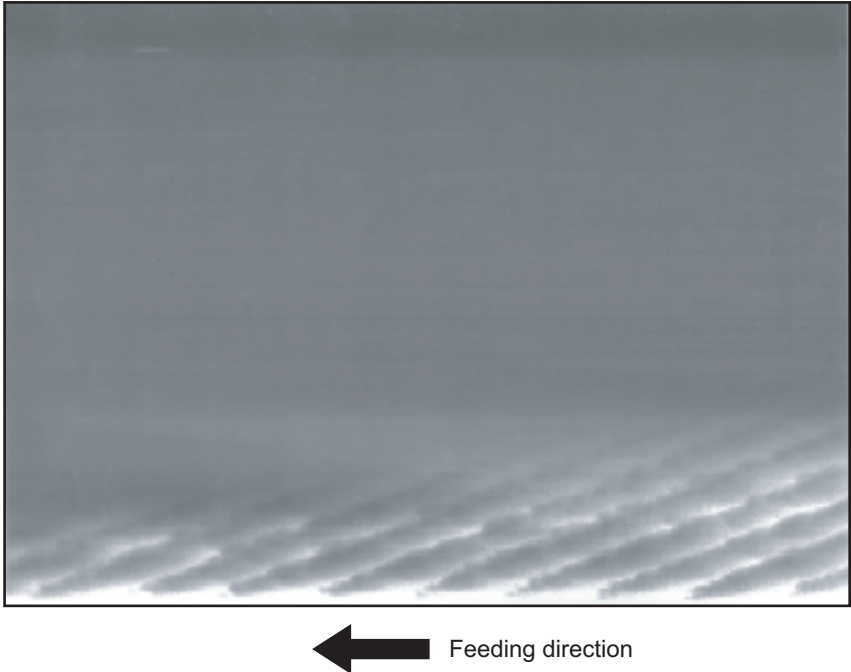


Fig.8-40

1) Confirmation

This phenomenon may occur when 10 K sheets of paper with a low printing ratio (lower than 3%) are being printed continuously in the 2-sheet intermittent mode.

When the image shown above appeared, the developer material in the developer unit is probably decreasing. In this case, pull out the process unit and then take out the drum cleaner unit of the same color as the image. Then visually check the developer sleeve in the developer unit of the corresponding color if the layer of the developer material is formed evenly over the roller. If the layer of the developer material on the area corresponding to the feathered image is thinner than that on the other areas or totally lacking, replace the developer material.

However, the replacement of the developer material must be performed at the very end. Proceed to “2) Investigating the cause / taking measures”.

<p>Lack of developer material layer on developer sleeve (rear side)</p>	<p>The developer material has greatly decreased. Most of the surface of the mixer shaft is exposed.</p>
<p>Fig.8-41</p>	<p>Fig.8-42</p>

2) Investigating cause / taking measures

Cause/Section	Step	Check item	Measures
Equipment installation	1	Check if the equipment is leaning to the right side using a level. *1	Reinstall the equipment horizontally.
Main charger	2	Are the needle electrode, grid and case dirty?	Clean or replace them.
Discharge LED	3	Is the discharge LED lit properly?	Replace the discharge LED.
Main pole position	4	If no abnormalities are found in the 3 items above, the main pole position may deviate from the specified range or the toner density may be controlled to be lower than the specified range. (Checking impossible) *2	Correct the main (separation) pole position. *3
Developer material	5	Is the layer of the developer material on the developer sleeve thin or lacking?	Replace the developer material.

*1 How to install the equipment horizontally

Repeat steps 72 and 73 in the unpacking instructions (shown below) to confirm that the equipment is horizontally installed.

*2 The toner density is reset to the normal controlling level by replacing the developer material as the last step. Therefore the only measure to be taken in this step is the correction of the main (separation) pole position.

*3 How to correct the main (separation) pole position of the developer sleeve

Turn the pole position adjustment plate of the developer unit counterclockwise by 1 scale.

If the plate is adjusted to the end, turn it counterclockwise by the amount equivalent to 1 scale. (Do not turn it more than 1 scale.)

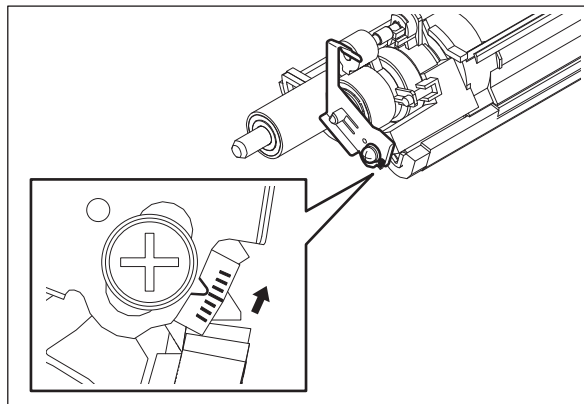


Fig.8-43

8.5.32 Low density image (rear side)

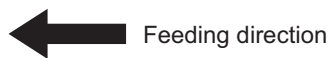
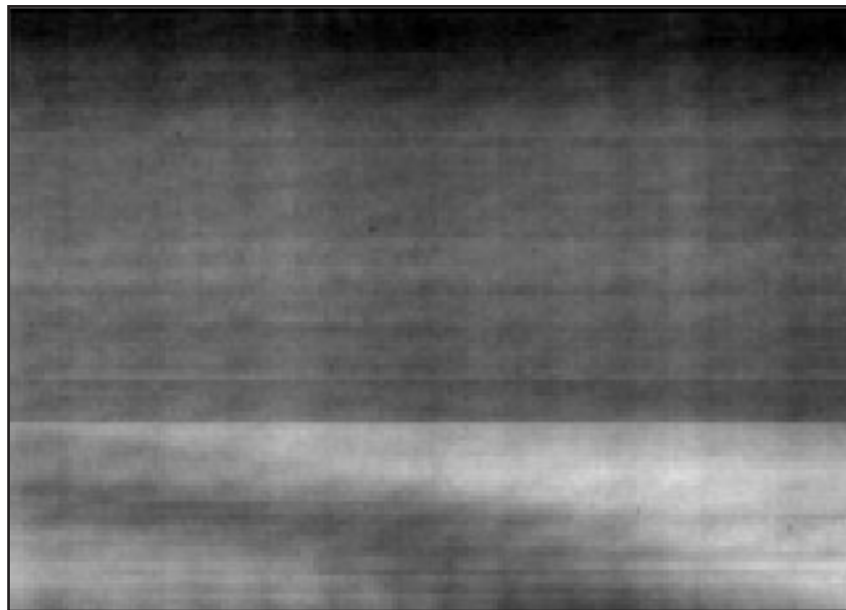


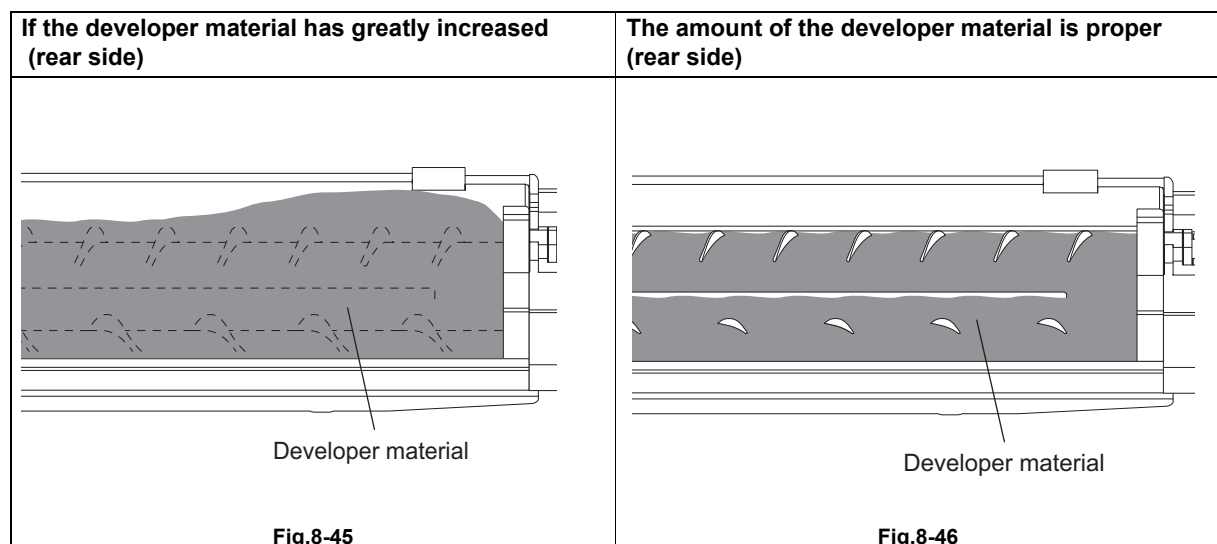
Fig.8-44

1) Confirmation

This phenomenon may occur when a large amount (10 K sheets or more) paper with a high printing ratio (85% or higher) are being printed continuously.

When the image shown above appeared (the image area approx. 5 cm from the rear end is light or light diagonal lines appear over the entire image), the developer material in the developer unit may greatly increase. In this case, take out the developer unit of the same color as the image and then take off the developer upper unit to check the amount of the developer material on the transport section under the developer sleeve. If the amount of the developer material is extremely large, scoop up the developer material with a sheet of paper or similar until the amount becomes proper.

After checking the amount, investigate the following:



2) Investigating cause / taking measures

Cause/Section	Step	Check item	Measures
Equipment installation	1	Check if the equipment is leaning to the right side using a level. *1	Reinstall the equipment horizontally. *1
Developer unit	2	Check if the developer material has accumulated on the sloping section outside of the discharging outlet. Check if the scraper on it is operating properly. *2	Reinstall the scraper properly. Replace it if it is deformed or damaged.
Toner density	3	If no abnormalities are found in the items above, the toner density may be controlled to be higher than the specified range. (Checking impossible)	Correct the target toner density. *3

1 How to install the equipment horizontally

Repeat steps 77 and 78 in the unpacking instructions (shown below) to confirm that the equipment is horizontally installed.

2 How to confirm the installation position or operation of the scraper

Check if the scraper is installed so that it passes through the hole as shown in the figure.

Check if the coupling of the mixer is turned in the direction of the arrow in the figure.

Notes:

Never turn the coupling in the opposite direction because the scraper will be damaged.

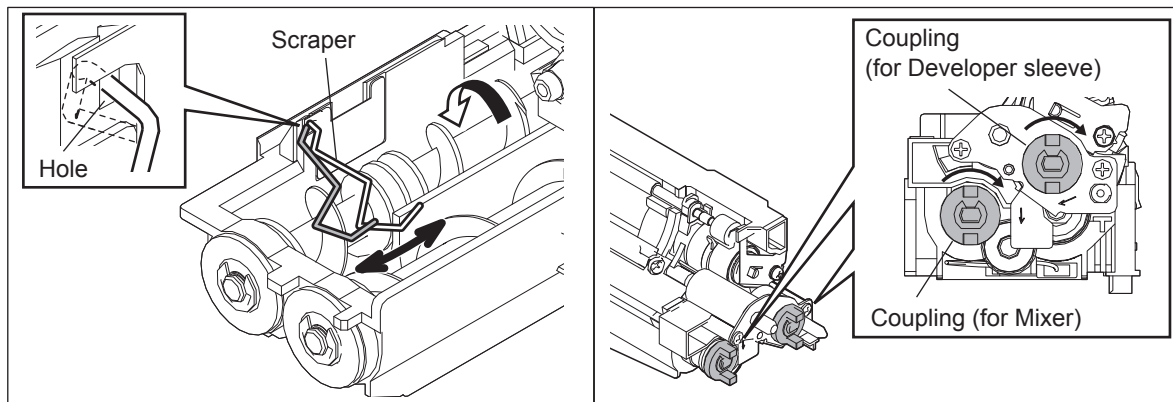


Fig.8-47

8.5.33 Roughness



← Feeding direction

Fig.8-48

Cause/Section	Step	Check item	Measures
Fuser unit	1	Is the satellite roller for e-STUDIO5520C/6520C/6530C installed instead of the heat pipe roller?	Install the heat pipe roller.

8.5.34 Image tilting on leading edge

When a printed image at the leading edge of paper is tilted as shown below, correct this by adjusting the bracket of TBU.

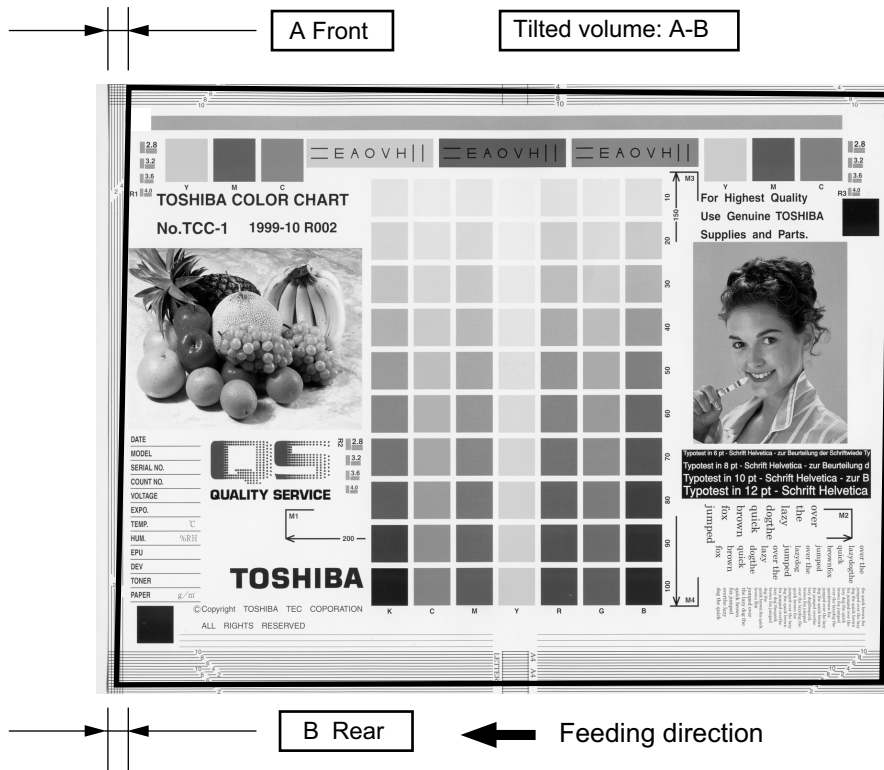


Fig.8-49

<Procedure>

- (1) Confirm the condition of the image tilting with a grid pattern.
- (2) Take off the transfer belt unit.
- (3) Remove 2 screws and take off the bracket of the transfer belt unit.
- (4) To improve the degree of image tilting by 0.5 mm or less: Align the bracket to the upper alignment position and secure it with 2 screws.
To improve the degree of image tilting by 0.5 mm or more: Align the bracket to the lower alignment position and secure it with 2 screws.

Remarks:

Image tilting on the leading edge can be adjusted in the range of 1 mm or less by adjusting the bracket of the TBU. (Note that the improvement volume may decrease depending on the equipment.)

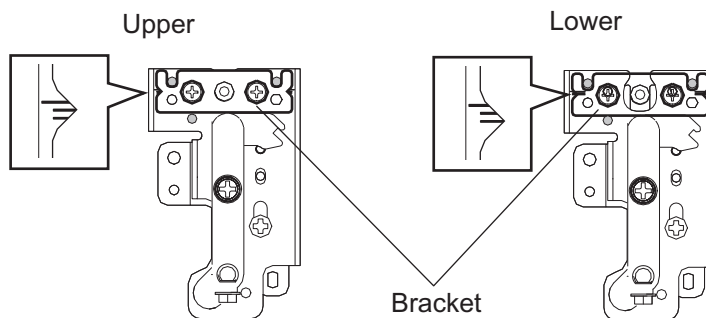



Fig.8-50

- (5) Install the transfer belt unit.
- (6) Confirm that there is no image tilting with the grid pattern.


9. REPLACEMENT OF PC BOARDS/HDD

9.1 Removal and Installation of PC Boards/HDD

Notes:

- When the PC board/HDD is replaced, refer to the respective Notes and Cautions of "Replacement of PC boards and HDD" in Chapter  P. 9-22"9.2 Precautions, Procedures and Settings for Replacing PC Boards and HDD".
- If the PC board has to be replaced due to an operational defect, this may have been caused by a contact failure of the connector. Before replacing the board, disconnect and then reconnect the connector to check if this action eliminates the operational defect.

9.1.1 SYS board cover

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Loosen 11 screws and take off the SYS board cover [1] by slightly sliding it.

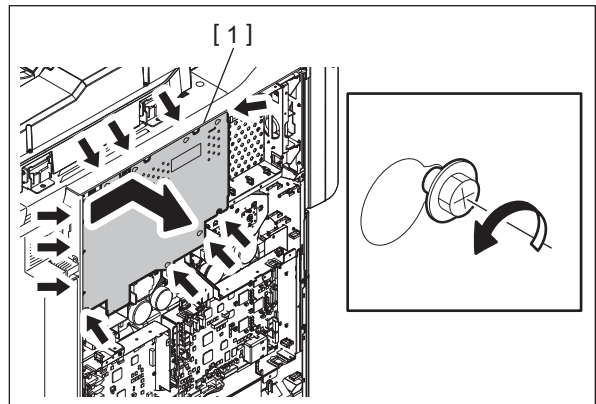



Fig.9-1

9.1.2 SYS board (SYS)

- (1) Take off the SYS board cover.
 P. 9-1"9.1.1 SYS board cover"
- (2) Disconnect 1 USB terminal and 6 connectors.

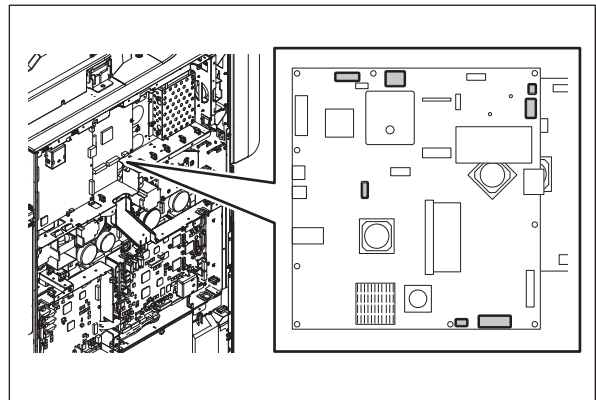


Fig. 9-2

- (3) Remove 6 screws, release 2 locking supports and take off the SYS board [1].

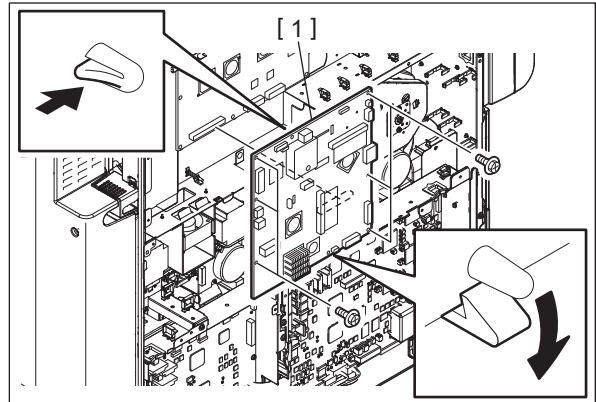


Fig. 9-3

9.1.3 SYS board case

- (1) Take off the SYS board cover.
P. 9-1 "9.1.1 SYS board cover"
- (2) Disconnect 3 connectors on the IMG board [1].

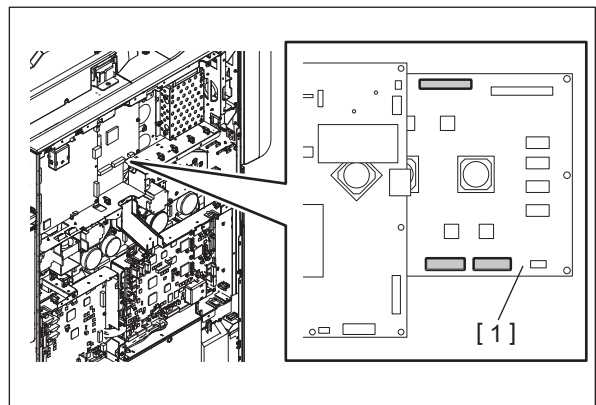


Fig. 9-4

- (3) Remove 5 screws.

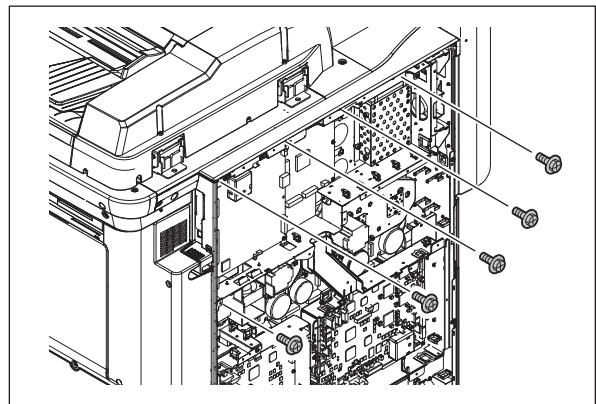


Fig. 9-5

- (4) Open the SYS board case slightly.
Then take off 2 harness clamps.

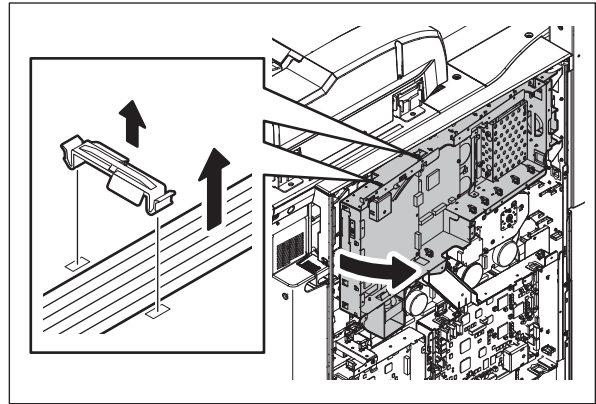


Fig. 9-6

- (5) Open the SYS board case [1] for approx. 90 degrees.

Notes:

Open the board case gently during maintenance work or similar.

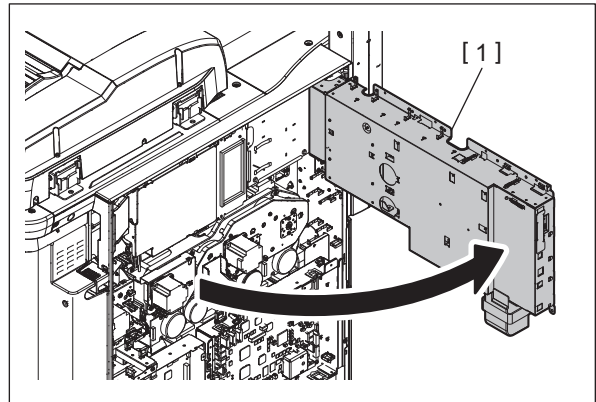



Fig. 9-7

9.1.4 SYS board cooling fan (F27)

- (1) Take off the SYS board cover.
 P. 9-1 "9.1.1 SYS board cover"
- (2) Disconnect 1 connector.

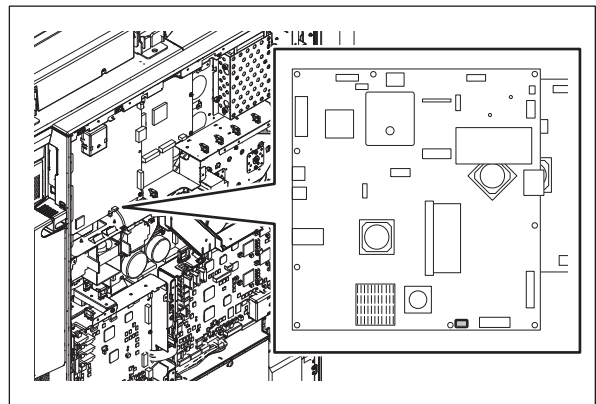


Fig. 9-8

- (3) Slide the SYS board cooling fan in the direction of the arrow in the figure to take it off.

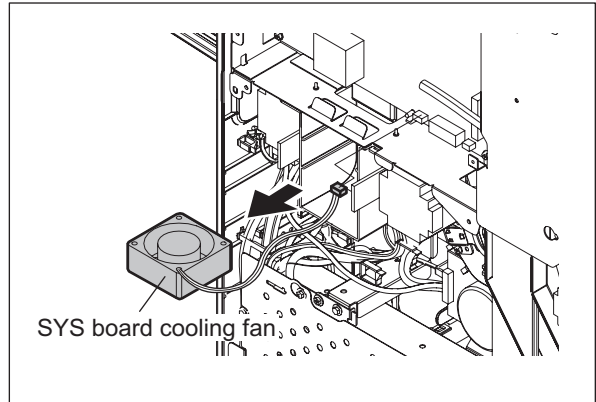


Fig. 9-9

9.1.5 IMG board (IMG)

- (1) Take off the SYS board.
P. 9-1"9.1.2 SYS board (SYS)"
- (2) Disconnect 4 connectors.

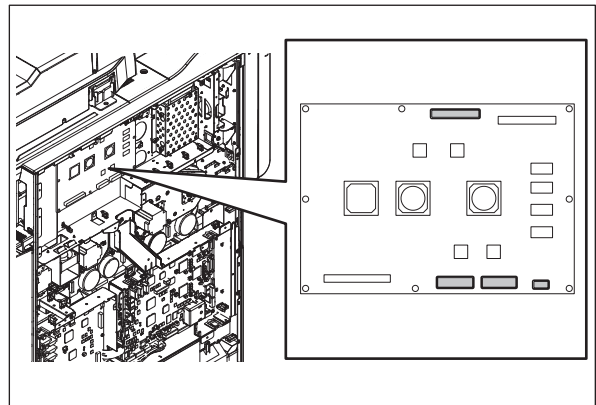


Fig. 9-10

- (3) Remove 8 screws and take off the IMG board [1].

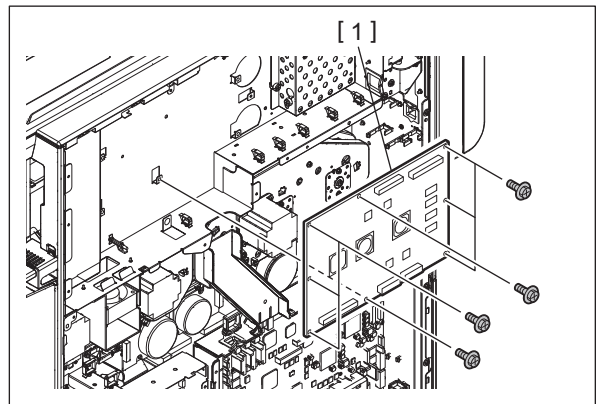



Fig. 9-11

9.1.6 LGC board (LGC)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 28 connectors.

Notes:

When installing, be sure to connect the flat cables at the proper positions.

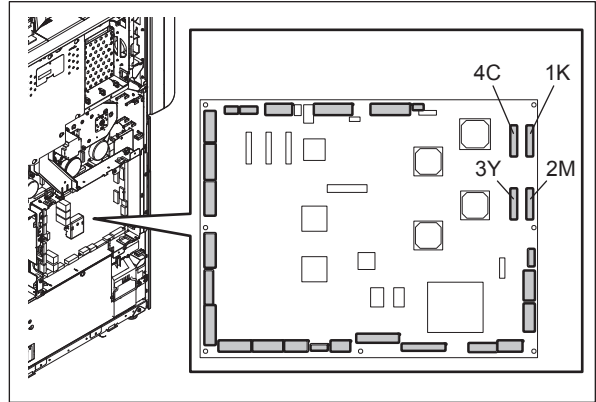


Fig. 9-12

- (3) Remove 8 screws and take off the LGC board [1].

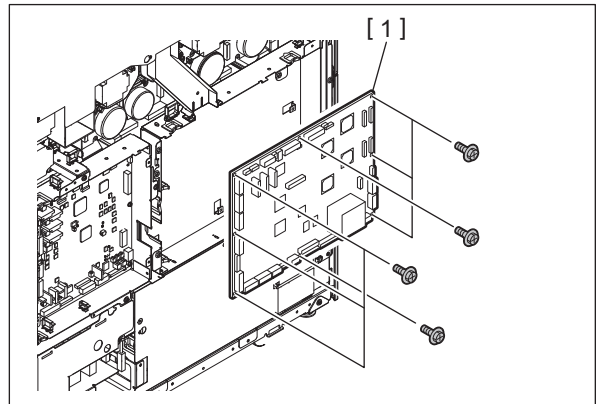


Fig. 9-13

Notes:

When replacing or installing the LGC board, be sure to attach the film [2] for the SRAM board <for the LGC board> (SRAM-L) [1].
*e-STUDIO5560C/6560C/6570C only

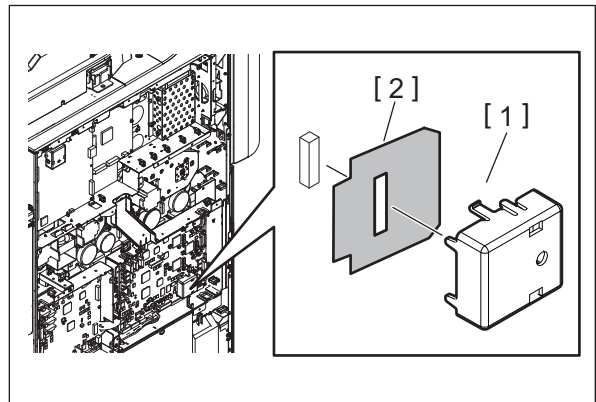



Fig. 9-14

9.1.7 LGC board case

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 28 connectors.

Notes:

When installing, be sure to connect the flat cables at the proper positions.

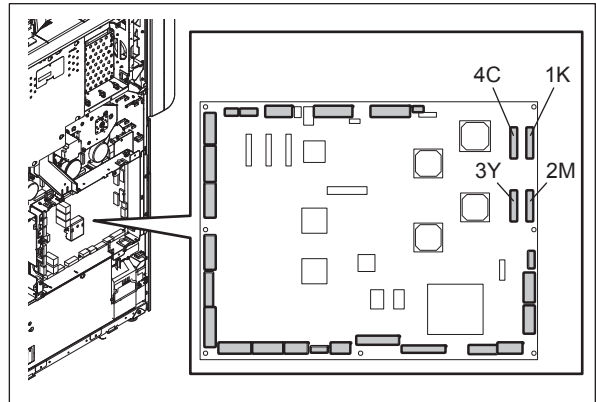


Fig. 9-15

- (3) Release harness from 4 clamps and 6 clamps with a lock.

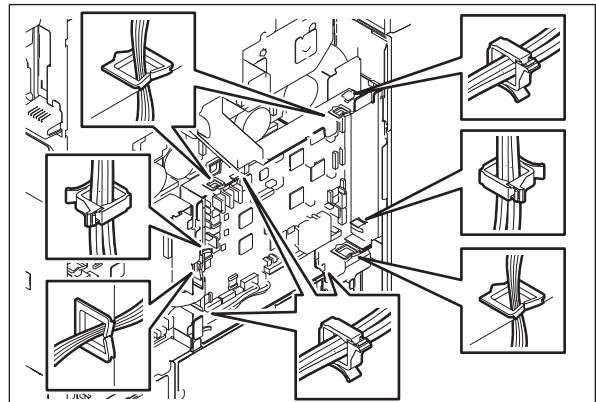


Fig. 9-16

- (4) Remove 4 reusable bands, and take off the harness guide.

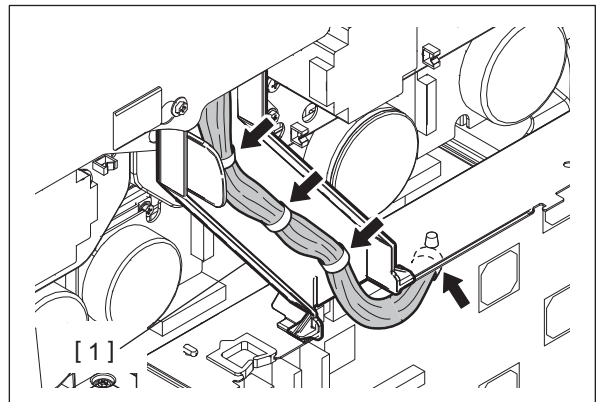


Fig. 9-17

- (5) Remove 4 screws and take off the LGC board case [1].

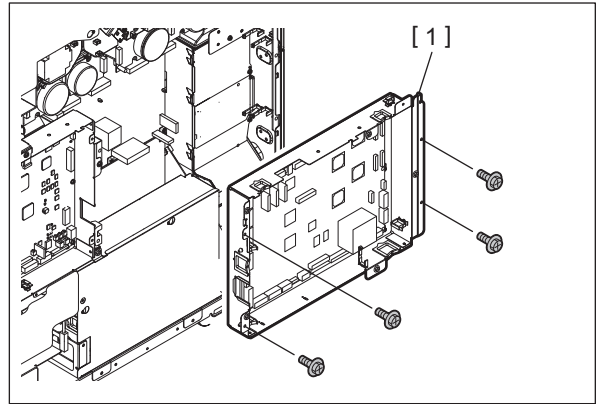



Fig. 9-18

9.1.8 PFC board (PFC)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 16 connectors. (in case of a 4-drawer model)

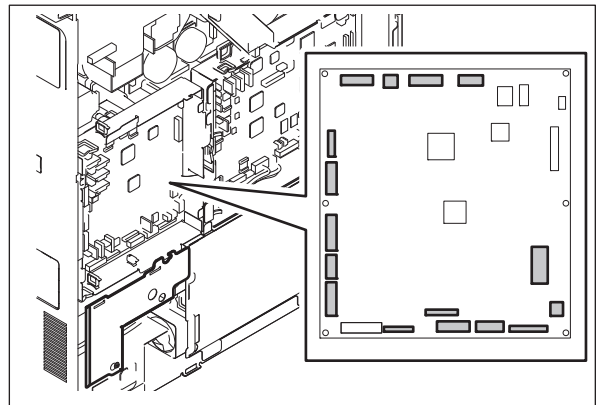


Fig. 9-19

Notes:

If the equipment is a tandem LCF-model, disconnect 15 connectors.

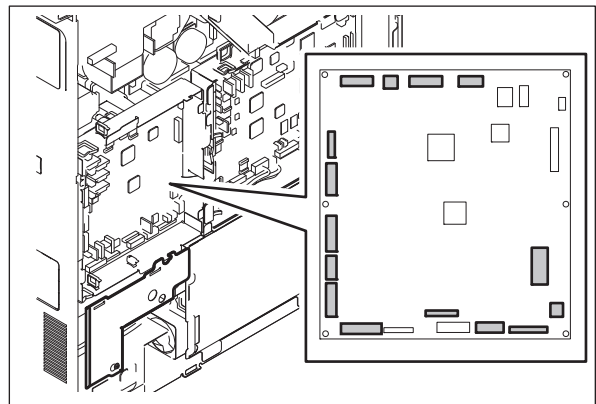


Fig. 9-20

- (3) Remove 6 screws and take off the PFC board [1].

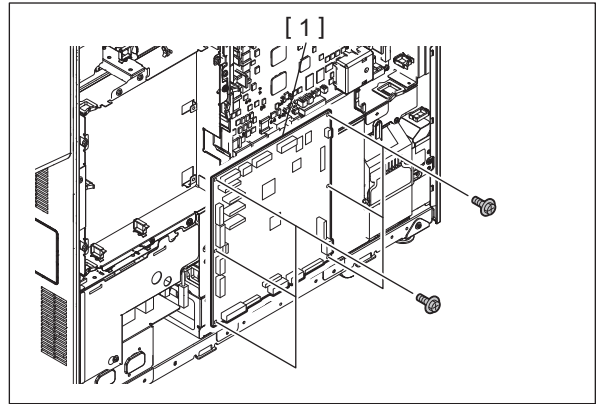



Fig. 9-21

9.1.9 PFC board case

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 16 connectors. (in case of a 4-drawer model)

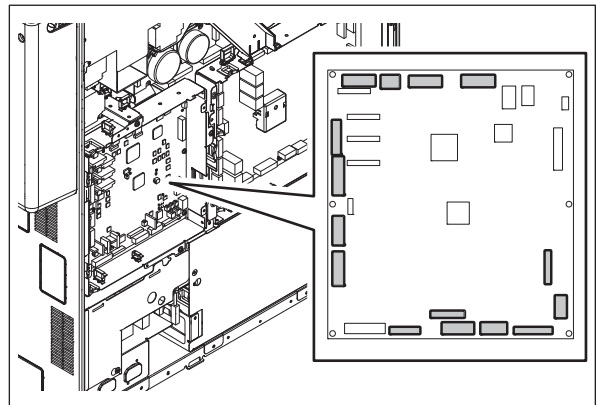


Fig. 9-22

Notes:

If the equipment is a tandem LCF-model, disconnect 15 connectors.

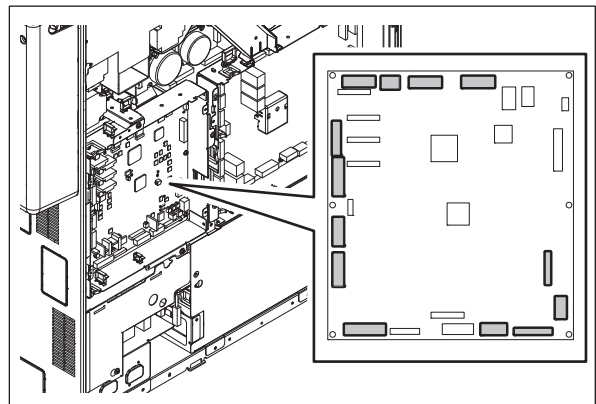


Fig. 9-23

- (3) Remove 2 harness clamps on the upper side of the case. Release harness from 4 clamps with a lock.

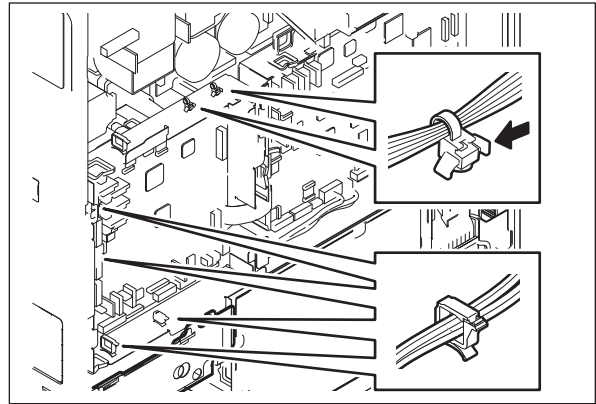


Fig. 9-24

- (4) Remove 4 screws and take off the PFC board case [1].

Notes:

The removed PFC board case [1] can be hooked on the equipment temporarily.

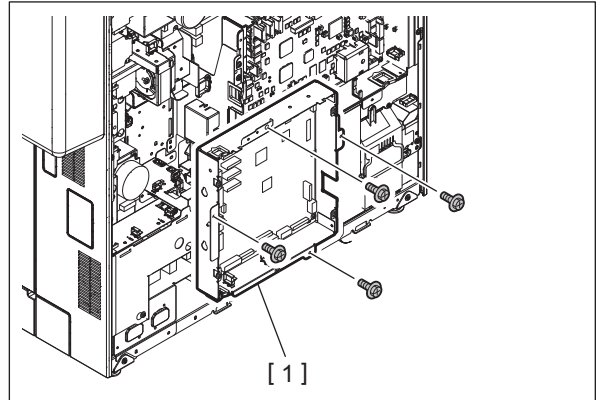



Fig. 9-25

9.1.10 Hard disk (HDD) (e-STUDIO5540C/6540C/6550C)

[A] Normal hard disk (SATA-HDD)

- (1) Take off the rear cover.
 P. 4-7 "4.1.18 Rear cover"
- (2) Disconnect 2 connectors.

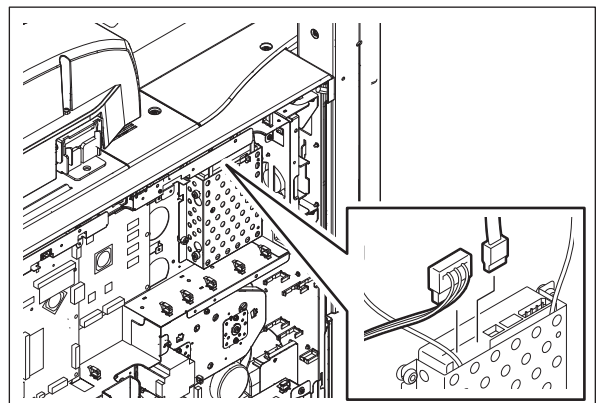


Fig. 9-26

- (3) Remove 6 screws and take off the hard disk.

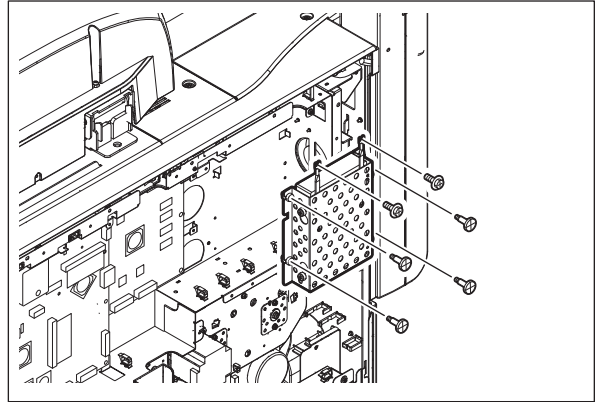


Fig. 9-27

- (4) Remove 4 screws and take off the hard disk from the bracket.
(5) Remove 2 screws and take off the 2 cables.

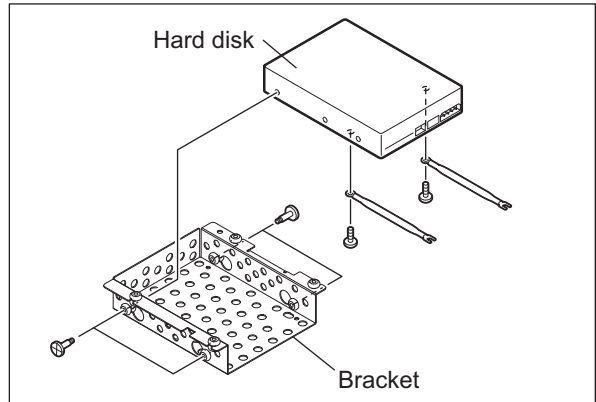



Fig. 9-28

[B] Security hard disk (ADI-HDD)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
(2) Disconnect 2 connectors.

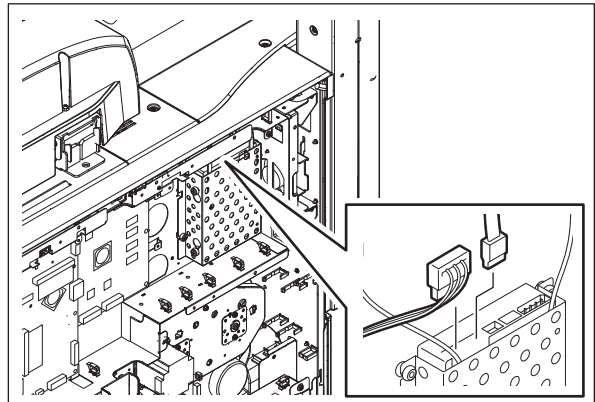


Fig. 9-29

- (3) Remove 6 screws and take off the hard disk.

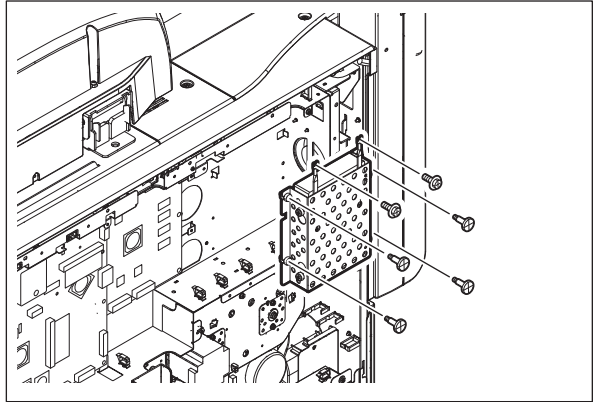


Fig. 9-30

- (4) Remove 4 screws and take off the bracket [1].
(5) Remove 1 screw each and the 2 ground wires [2].

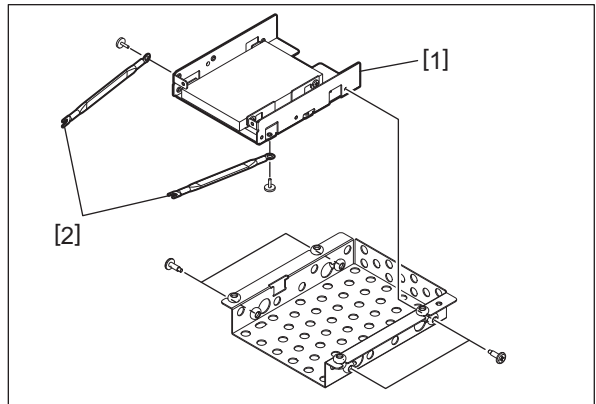


Fig. 9-31

- (6) Remove 4 screws and take off the hard disk [1].

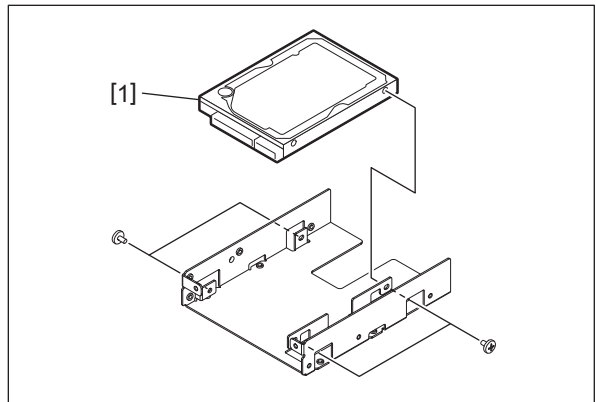



Fig. 9-32

9.1.11 Hard disk (HDD) (e-STUDIO5560C/6560C/6570C)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Disconnect 2 connectors [1].

Notes:

Be sure to unlock the connector located on the rear side by pinching the hooks [2] at the both ends before pulling it out upward.

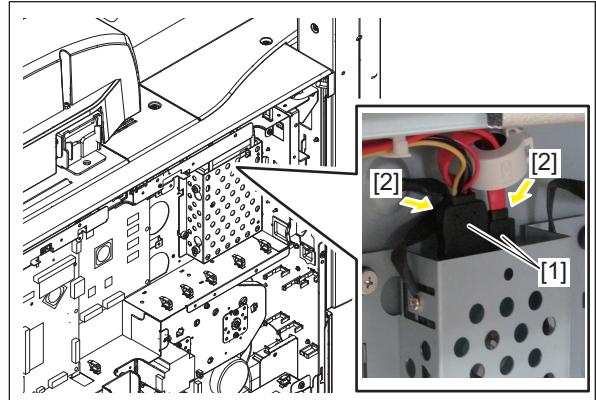


Fig. 9-33

- (3) Loosen 2 screws [1]. Remove 4 screws [2] and take off the hard disk.

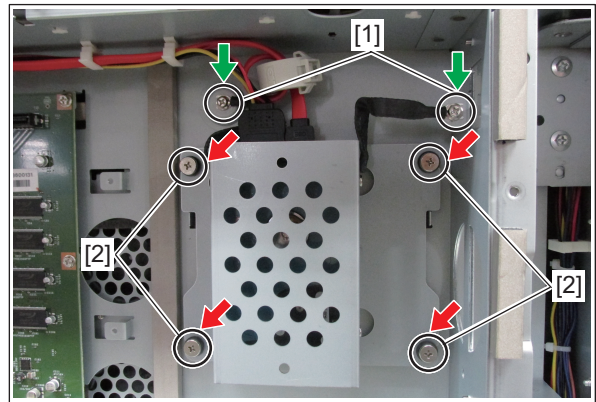


Fig. 9-34

- (4) Remove 1 screw and the ground wire [1].
- (5) Remove 1 screw.

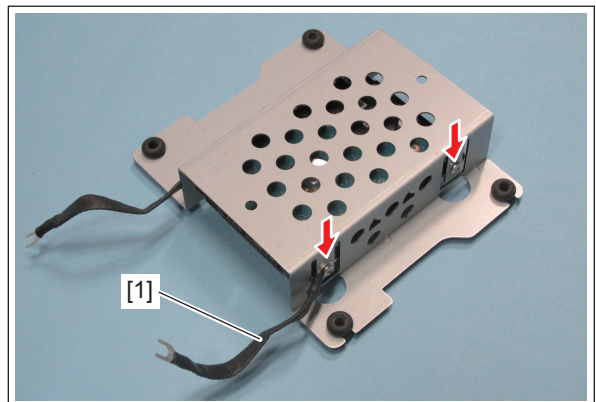


Fig. 9-35

- (6) Remove 1 screw and the ground wire [1].
- (7) Remove 1 screw and take off the bracket [2].

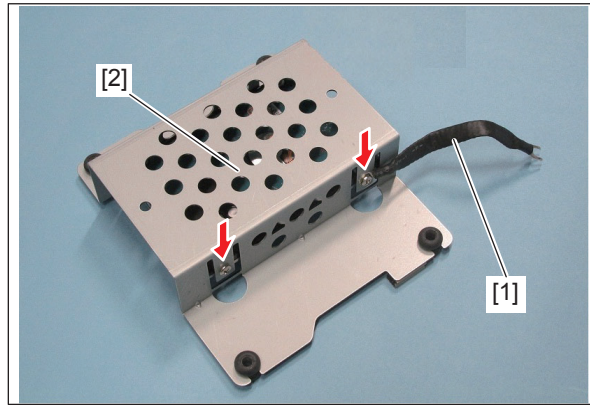


Fig. 9-36

- (8) Take off the hard disk [1].

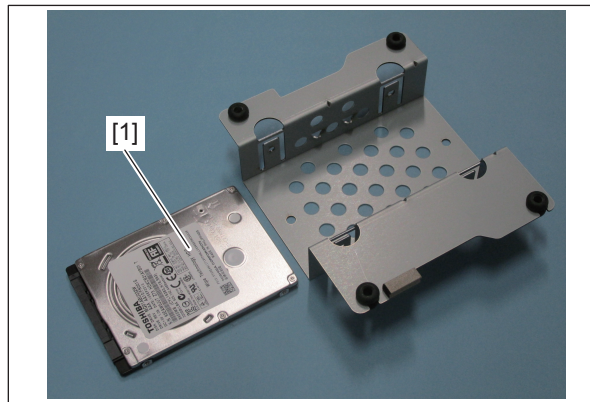


Fig. 9-37

9.1.12 HDD cooling fan (F28) (e-STUDIO5540C/6540C/6550C only)

- (1) Open the SYS board case [1] for approx. 90 degrees.
 P. 9-2"9.1.3 SYS board case"

Notes:

Open the board case gently during maintenance work or similar.

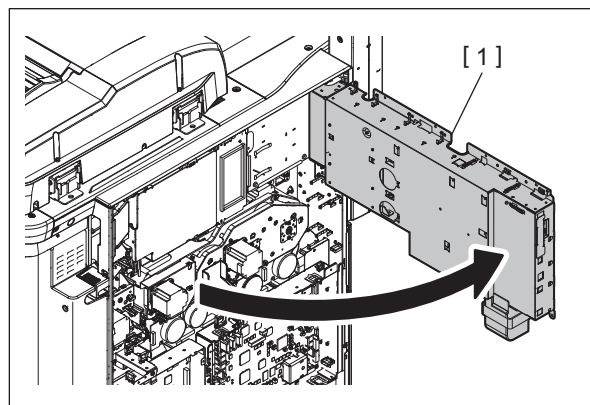


Fig. 9-38

- (2) Disconnect 1 USB terminal and 3 connectors.

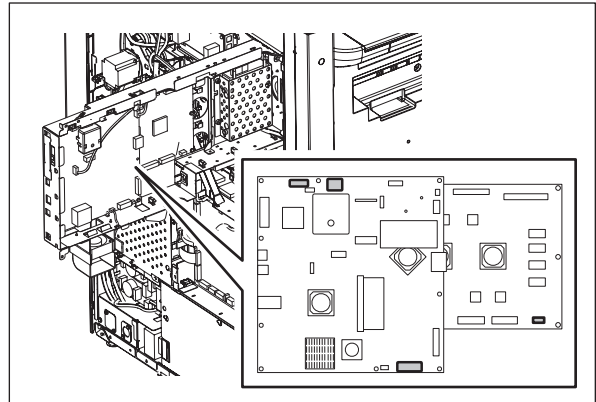


Fig. 9-39

- (3) Release a harness from 1 harness clamp and 10 harness clamps with a lock.

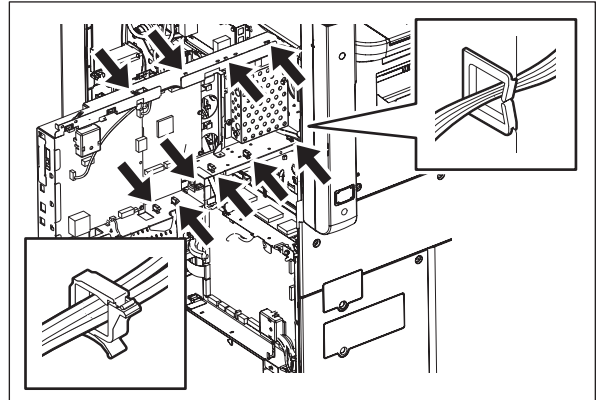


Fig. 9-40

- (4) Lift the SYS board case [1] to remove it.

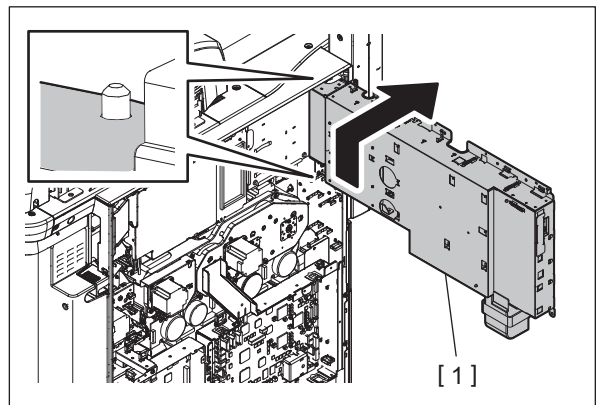


Fig. 9-41

- (5) Disconnect 1 connector.
(6) Remove 5 harness clamps with a lock.

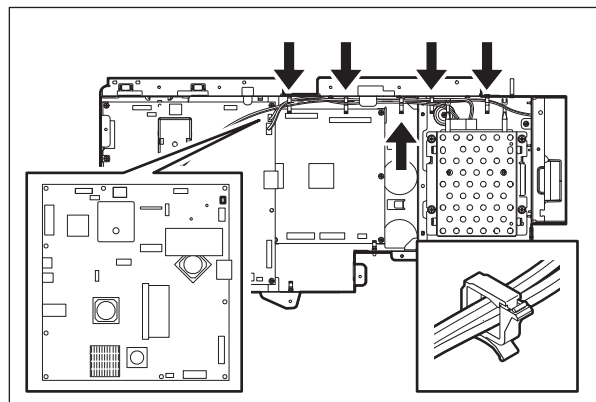


Fig. 9-42

- (7) Release harness from 1 clamp.
- (8) Remove 2 screws and take off the HDD cooling fan and duct.

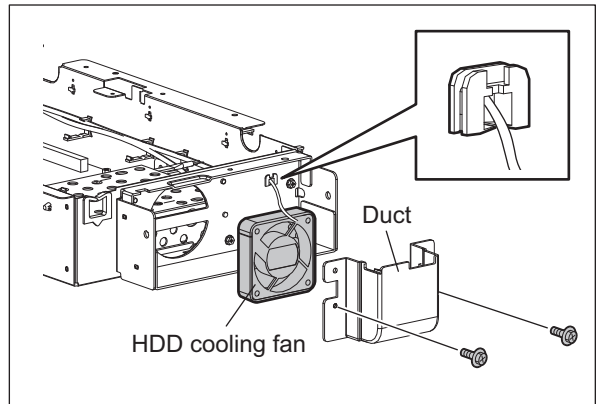


Fig. 9-43

9.1.13 SRAM board <for LGC board> (RAM-L)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Release 2 latches [1] and take off the SRAM board for the LGC board with the case [2].

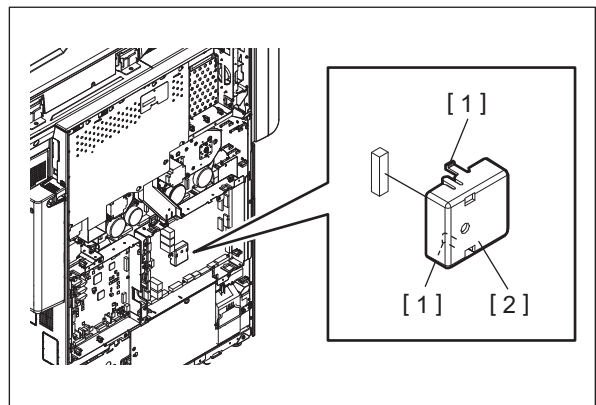


Fig. 9-44

- (3) Release 2 latches and take off the SRAM board for LGC board from the case.

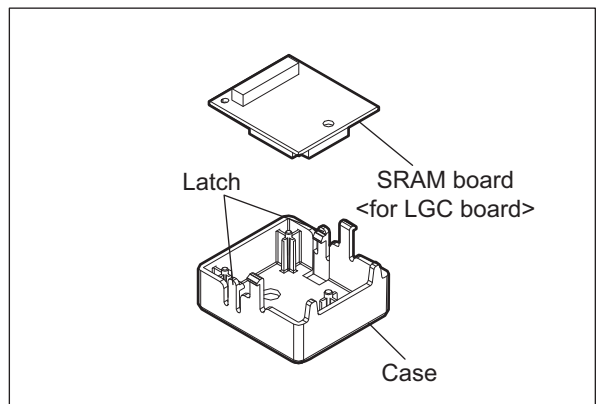


Fig. 9-45

Notes:

- The shape of the SRAM board for the LGC board differs from the one for the SYS board. Be sure to assemble the correct SRAM board.

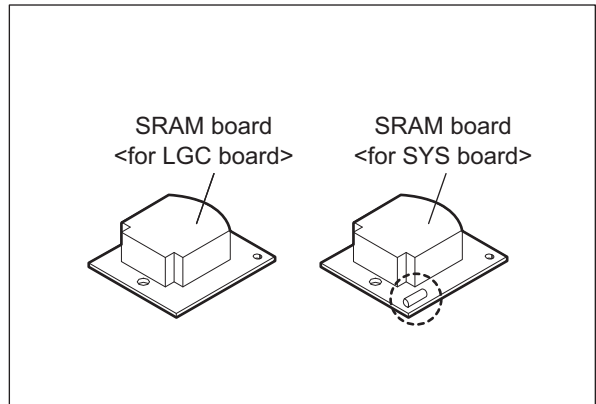


Fig. 9-46

- Be sure to attach the film [2] for the SRAM board <for the LGC board> (SRAM-L) [1] when it is installed in the LGC board.
*e-STUDIO5560C/6560C/6570C only

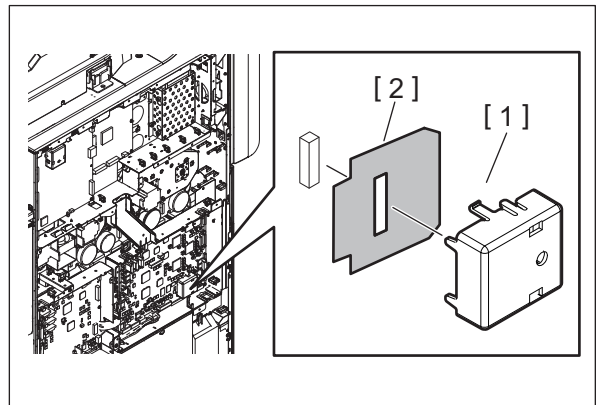


Fig. 9-47

9.1.14 SRAM board <for SYS board> (RAM-S)

- (1) Take off the SYS board cover.
P. 9-1 "9.1.1 SYS board cover"
- (2) Release 2 latches [1] and take off the SRAM board for the SYS board with the case [2].

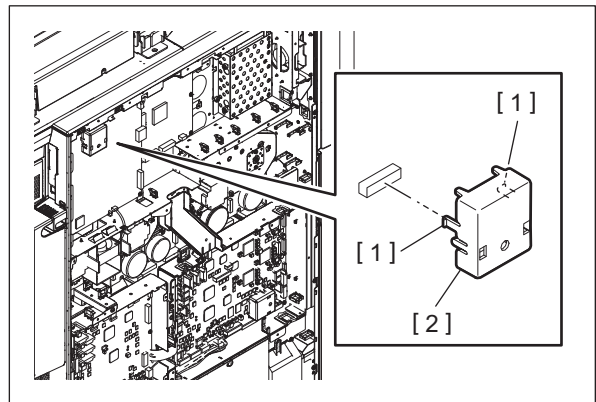


Fig. 9-48

- (3) Release 2 latches and take off the SRAM board for SYS board from the case.

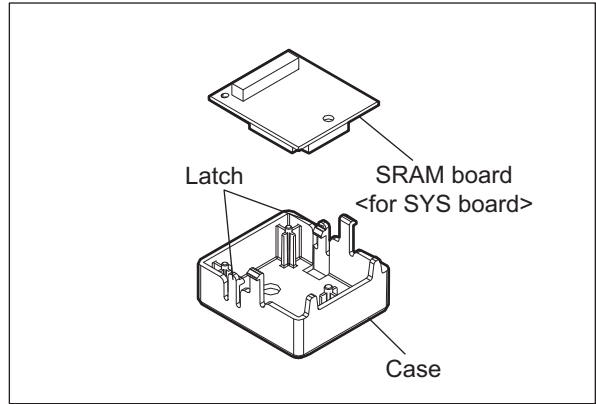


Fig. 9-49

Notes:

- The shape of the SRAM board for the SYS board differs from the one for the LGC board. Be sure to assemble the correct SRAM board.

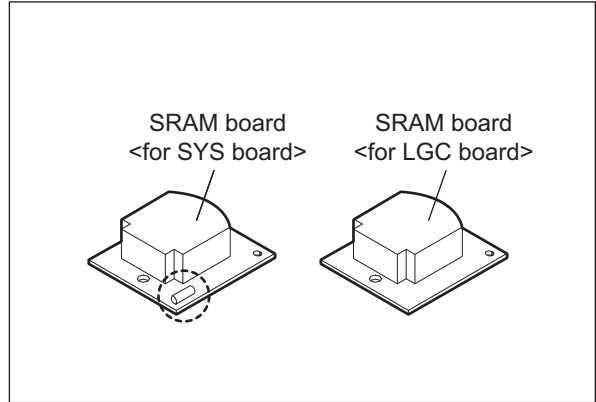


Fig. 9-50

- Be sure to assemble the correct SRAM board.

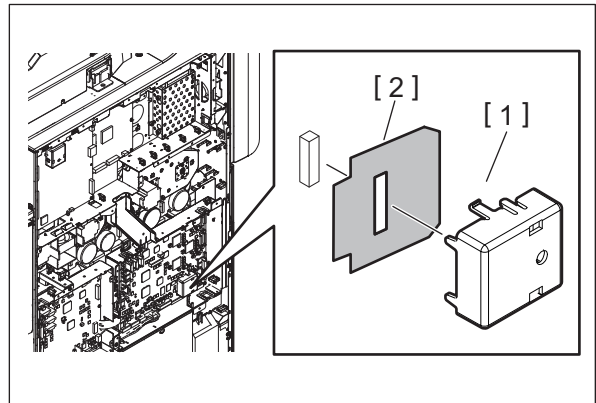



Fig. 9-51

9.1.15 Switching regulator (PS)

- (1) Take off the rear cover.
 P. 4-7"4.1.18 Rear cover"
- (2) Take off the PSU cover [1].

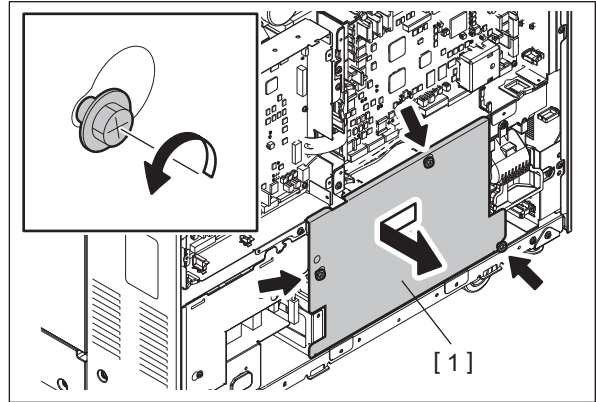


Fig. 9-52

- (3) Disconnect 4 connectors.
- (4) Release the harness from 1 harness clamp.

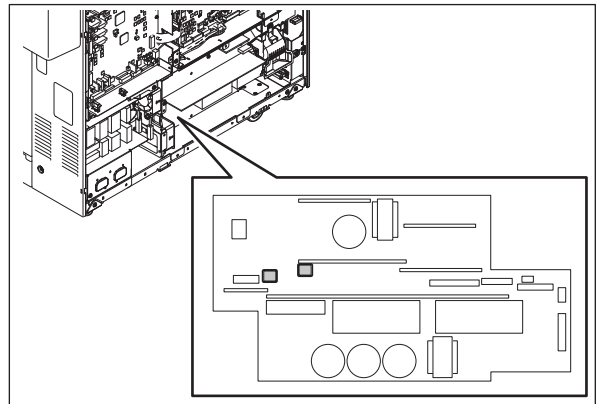



Fig. 9-53

- (5) Remove 2 screws and take off the duct.
- (6) Take off the FIL board cover.
 P. 9-6"9.1.7 LGC board case"

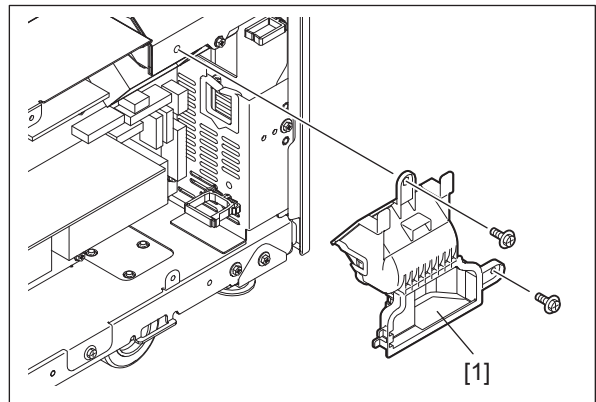


Fig. 9-54

- (7) Disconnect 6 connectors.

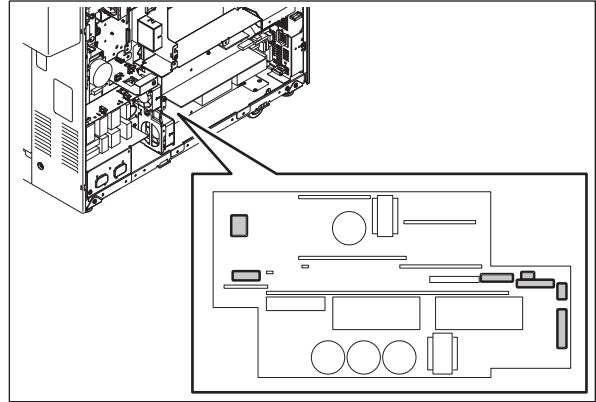


Fig. 9-55

- (8) Remove 4 screws and take off the switching regulator [1].

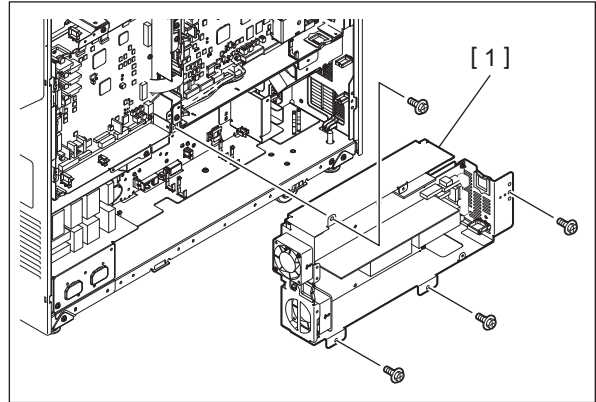


Fig. 9-56

9.1.16 High-voltage transformer-1 (HVT1)

- (1) Take off the LGC board case.
 P. 9-6"9.1.7 LGC board case"
- (2) Take off the PFC board case.
 P. 9-8"9.1.9 PFC board case"
- (3) Disconnect 18 connectors.

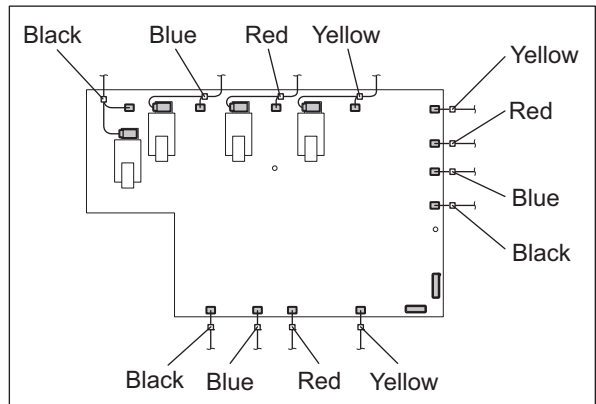


Fig. 9-57

- (4) Remove 7 screws, release 2 locking supports and then take off the high-voltage transformer-1.

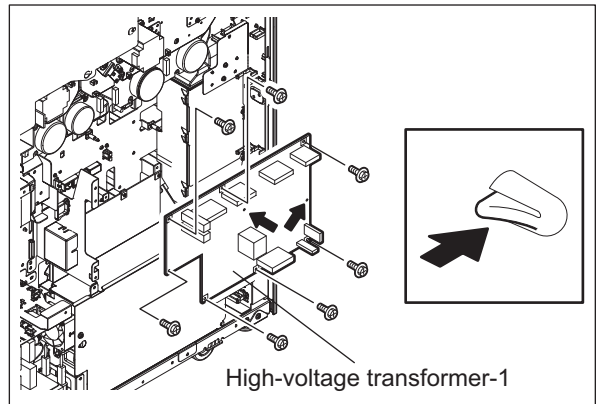


Fig. 9-58

9.1.17 High-voltage transformer-2 (HVT2)

- (1) Take off the LGC board case.
 📖 P. 9-6"9.1.7 LGC board case"
- (2) Take off the PFC board case.
 📖 P. 9-8"9.1.9 PFC board case"
- (3) Take off the switching regulator.
 📖 P. 9-18"9.1.15 Switching regulator (PS)"
- (4) Disconnect 7 connectors.

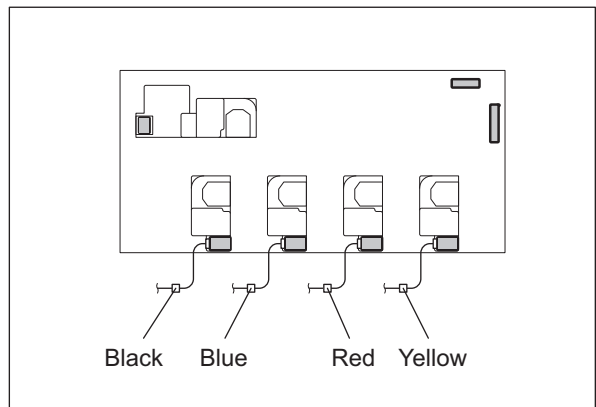


Fig. 9-59

- (5) Remove 6 screws, release 1 locking support and then take off the high-voltage transformer-2.

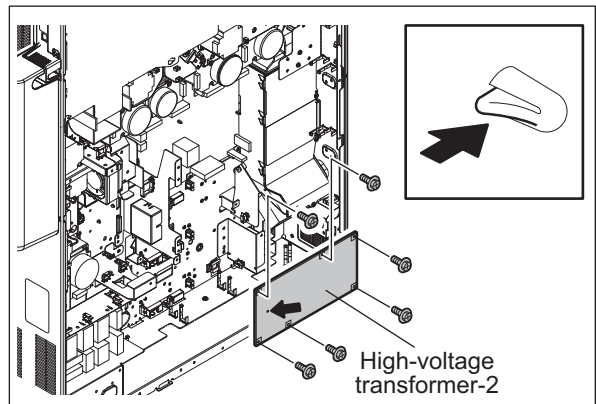


Fig. 9-60

9.1.18 FIL board

- (1) Take off the rear cover.
 [Book icon] P. 4-7"4.1.18 Rear cover"
- (2) Loosen 1 screw and take off the FIL board cover [1] by slightly sliding it.

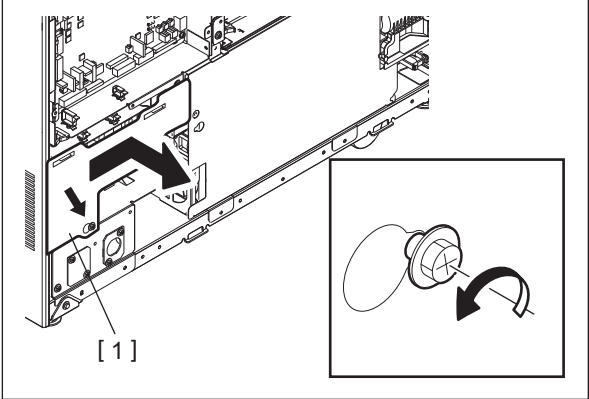


Fig. 9-61

- (3) Disconnect 8 connectors.

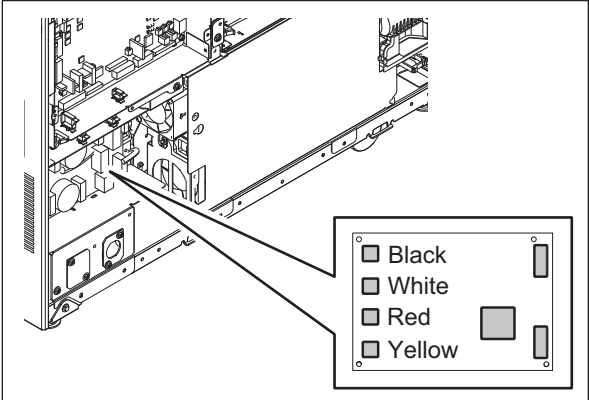


Fig. 9-62

- (4) Remove 4 screws and take off the FIL board [1].

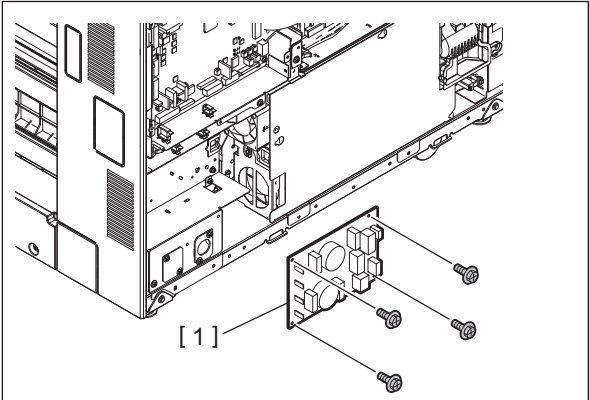







Fig. 9-63

9.2 Precautions, Procedures and Settings for Replacing PC Boards and HDD

9.2.1 Precautions when replacing PC boards

- The ID for each equipment is registered on the LGC board, the IMG board, the SYS board and the SLG board. So, if their replacement is required, be sure to replace only one board at a time.
- If more than one of the LGC board, the IMG board and the SYS board require replacement, replace them in the following procedure.
 1. First, replace one of the board to be replaced.
 2. Turn the power ON and confirm that "READY" is displayed.
 3. Turn the power OFF.
 4. Replace another board that requires replacement.
 5. Repeat steps 2 to 4.
- The LGC board and IMG board can be replaced without other settings.
- When the HDD requires replacement, see  P. 9-25"9.2.3 Precautions and procedures when replacing the HDD".
- When the SYS board requires replacement, see  P. 9-30"9.2.4 Precautions and Procedures when replacing the SYS board".
- When the SLG board requires replacement, see  P. 9-34"9.2.5 Procedures and settings when replacing the SLG board".
- When SRAM board requires replacement, see  P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)" /  P. 9-42"9.2.7 Precautions and Procedures when replacing SRAM board (for LGC board)".

9.2.2 HDD fault diagnosis

This code displays the HDD operation history, which is recorded in the HDD, on the control panel. HDD failure can be diagnosed or predicted with the information displayed.

(1) Display

The following screen is displayed with setting code 08-9065. You can also refer to the same information by pressing the [ON/OFF] button while pressing [5] and [C] simultaneously and then selecting "5".

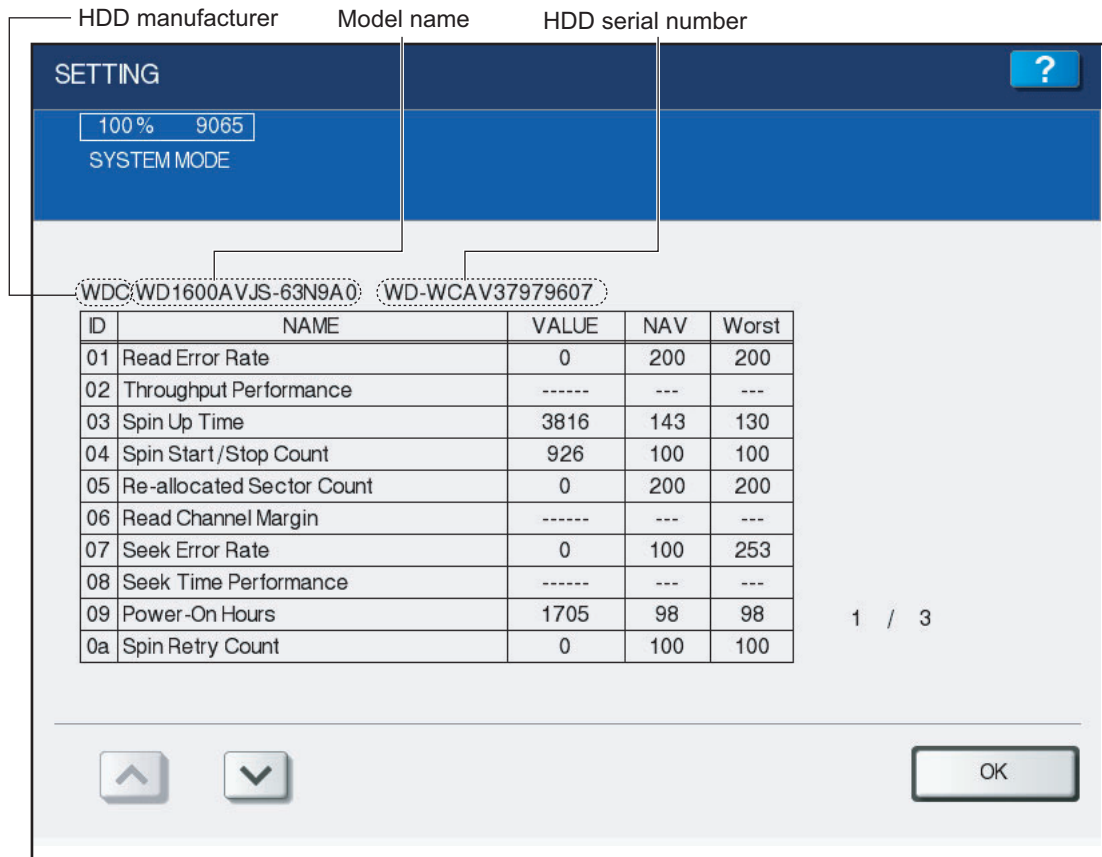


Fig. 9-64

- Items supported differ depending on the HDD manufacturer.
- "----" is displayed on the VALUE, NAV and Worst columns if items are not supported.

(2) Usage

The combination of the values of ID=05 and c5 is used to diagnose whether or not the HDD has a physical failure when HDD failure is suspected (service call F100 - F108, F121 or F122 occurred).

Result		Description	Diagnosis
ID	VALUE		
05	0	Low possibility of physical failure	HDD replacement is not required.
c5	0		
05	From 1 to 999	Defective sector has been reassigned and HDD is recovered.	HDD replacement is not required.
c5	0		
05	Any value	High possibility of defective sector existence. (There will be a possibility of physical failure depending on the use of HDD.)	HDD replacement is recommended.
c5	1 or more		
05	Either one is at least 1000.	High possibility of physical failure	HDD replacement is recommended.
c5			

Result		Description	Diagnosis
ID	VALUE		
05	All values are displayed as "-----".	High possibility of physical failure (A HDD connector, harness or SYS board may be one of the causes.)	HDD replacement is recommended.
c5			

(3) ID=05 and c5

ID	Name	Description	Remarks
05	Re-allocated Sector Count	The number of sectors reassigned	This value tends to increase at HDD failure.
c5	Current Pending Sector Count	The number of candidate sectors to be reassigned	This value tends to increase at HDD failure.

(4) Description of each ID

ID	Name	Meaning
01	Read Error Rate	This attribute is a measure of the read error rate.
02	Throughput Performance	This attribute is a measure of the throughput performance.
03	Spin Up Time	This attribute is a measure of how quickly the drive is able to spin up from a spun down condition.
04	Spin Start/Stop Count	This attribute is a measure of the total number of spin ups from a spun down condition.
05	Re-allocated Sector Count	This attribute is a measure of the total number of reallocated sectors.
07	Seek Error Rate	This is a measure of the seek error rate.
08	Seek Time Performance	This attribute is a measure of a drive's seek performance during normal online operations.
09	Power-On Hours	This attribute is a measure of the total time (hours or minutes depending on disk manufacturer) the drive has been on.
0a	Spin Retry Count	This attribute is a measure of the total number of spin retries.
0c	Power Cycle Count	This attribute is a measure of the number of times the drive has been turned on.
c0	Power off Retract Count	This attribute is a measure of the total number of emergency unloads.
c1	Load Cycle Count	This attribute is a measure of the total number of load/unloads.
c2	Temperature	This attribute is a measure of the temperature in the HDD.
c3	ECC On the Fly Count	This attribute is a measure of the total number of the ECC On the Fly.
c4	Reallocation Event Count	This attribute is a measure of the total number of the reallocation events.
c5	Current Pending Sector Count	This attribute is a measure of the total number of candidate sectors to be reallocated.
c6	Off-Line Scan Uncorrectable Sector Count	This attribute is a measure of the total number of uncorrectable sectors found during the off-line scan.
c7	Ultra DMA CRC Error Count (Rate)	This attribute is a measure of the total number of errors found in data transfer in the Ultra-DMA mode.
c8	Write Error Rate	This attribute is a measure of the write error rate.

Notes:

“Over-range” is displayed if the number of digits acquired from the HDD exceeds the maximum digits which can be displayed on the control panel; however, this does not indicate an error.

9.2.3 Precautions and procedures when replacing the HDD

Notes:

- Replacing ADI-HDD with SATA-HDD is not possible. When replacing ADI-HDD, replace it with another ADI-HDD.
- When the HDD is replaced, it is necessary to back up the data in the HDD before replacing and to recover them after replacing.
- To maintain the security, ask users to perform the backup/restore for users' data/information in the HDD. The service technician can perform them only when users permit it.
- Some data in the HDD cannot be backed up and can be kept only on the paper.
- Do not replace the HDD and the SRAM board (for the SYS board) together.
- When the HDD is replaced, do not perform SRAM data formatting (Clear SRAM) before the normal start-up.
- When the HDD is replaced, do not restore the back-up file before the normal start-up.

A procedure for replacing the HDD is shown below.

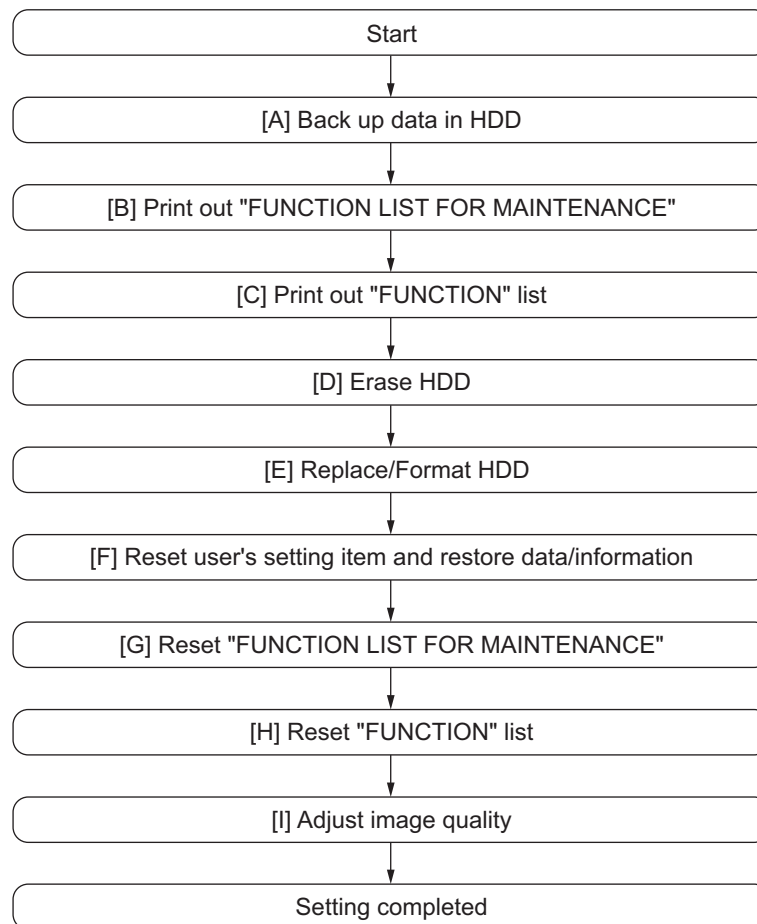



Fig. 9-65

[A] Back up in HDD

Ask the user (machine administrator) to back up the data in the HDD. Refer to the table below for the type of data, availability and method of backup.

Type of data in HDD	Availability	Backup method
Image data in the e-Filing	Available	Archive them in the “e-Filing” of TopAccess. As for the backup in Box data, all data (selectable by the box) can be backed up / restored in one go by using “e-Filing Backup/Restore Utility”.
F-code information, Template registration information, Address book data	Available	Back them up in the “Administrator” menu of TopAccess.
Department management data	Available	Export them in “Administrator” menu of TopAccess.
Log data (Print, Scan, FAX (Transmission/Reception))	Available	Export them in the “Administrator” menu of TopAccess. (Import cannot be performed.)
Data in the shared folder (Scanned data, Saved data of copy / FAX transmission)	Available	Copy them to the client computer via the network. (The data which have been copied to the client computer cannot be copied to the shared folder.)
Print waiting data (Copying data and FAX reception data that are waiting to be printed due to the paper run-out and jam, etc.)	Not available	Finish printing them after supplying paper or releasing the jam, etc. (The data cannot be left.)
Print job (Private print data, Schedule print data)	Not available	If any jobs are left, print them. (The data cannot be backed up.)
FAX saved data (Confidential / Bulletin board data)	Not available	Print them. (The data cannot be backed up.)
Registration data for FAX transmission (Delayed transmission / Recovery transmission)	Not available	Print them. (The data cannot be backed up.)

[B] Print out “FUNCTION LIST FOR MAINTENANCE”

- (1) Enter the Service Mode.
 P. 5-5"5.2 Service UI"
- (2) Select “FAX LIST PRINT MODE” and then press [NEXT].
- (3) Select “Function list for Maintenance” and then press [PRINT].

[C] Print out “FUNCTION” list

- (1) Press the [USER FUNCTIONS] button.
- (2) Press the [ADMIN] button, enter the password, and then press the [ENTER] button.

Notes:

- Explain the procedure to the user (machine administrator) and ask him/her to enter his/her password.
- (3) Press the [LIST/REPORT] button and then the [LIST] button.
- (4) Press the [FUNCTION] button. The “FUNCTION” list is printed out.

[D] Erase HDD



In case of the ADI-HDD:

- (1) Turn the power ON while pressing [4] and the [CLEAR] button simultaneously.
- (2) Key in [1] to select "1: Revert factory install status HDD." and then press the [START] button.
- (3) Turn the power OFF.

In case of SATA-HDD:

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Key in [6] to select "6: Erase HDD Security." and then press the [START] button.
- (3) Select "1. LOW", "2. MEDIUM", "3. HIGH" and "4. SIMPLE".
- (4) Turn the power OFF.

[E] Replace / Format HDD

- (1) Confirm that the power is turned OFF.
- (2) Replace the HDD.
 P. 9-9"9.1.10 Hard disk (HDD) (e-STUDIO5540C/6540C/6550C)"
- (3) Clear the partitions on the HDD.
 1. Turn the power ON while pressing [3] and [CLEAR] button simultaneously.
 2. When "Firmware Assist Mode" appears on the LCD, key in [3] to select "3: Format HDD." and then press the [START] button.
 3. When "Operation Complete" is displayed on the LCD, clearing of the partitions is completed.
- (4) Turn the power OFF.
- (5) Format the service tech password.
 1. Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
 2. When "Firmware Assist Mode" appears on the LCD, key in [8] to select "8. Clear Service Tech Password" and then press the [START] button.
 3. When "Reset Complete" is displayed on the LCD, formatting of the service tech password is completed.
- (6) Turn the power OFF.
- (7) Update the master data using the USB media.
 P. 11-6"11.2 Firmware Updating with a USB Device"
- (8) Turn the power OFF.
- (9) When the Fax Unit (GD-1270) is installed, perform "Fax Set Up" (1*-100) and "Clearing the image data" (1*-102). Then turn the power OFF.

Notes:

When "Clearing the image data" (1*-102) is performed, the image data in the printer will also be cleared.

- (10) Start up with the Setting mode (08).
- (11) Check the system ROM version (08-9930).
Confirm the version displayed on the LCD, and then press the [ENTER] button.
- (12) Turn the power OFF.

[F] Reset user's setting items and restore data/information

Ask the user (machine administrator) to reset the user's setting items and to restore data or information. Refer to the following for the reset and restore:

Items to reset/restore	Method
Printer driver	Upload them in the "Administrator" menu of TopAccess.
F-code information, Template registering information, Address book data	Restore them in the "Administrator" menu of TopAccess
Department management data	Import them in the "Administrator" menu of TopAccess.
Image data in the Electronic Filing	Upload them in the "e-Filing" of TopAccess.


* When the SSL is enabled, perform the setting of the following items again with "Self-certificate" of TopAccess.

Country Name
State or Province Name
Locality Name
Organization Name
Organizational Unit Name
Common Name
Email Address


* When wireless LAN is used, perform the setting again on the LCD panel.
(only when security with a certificate is used)
Also, upload the following certificate file with "Install Certificate for Wireless LAN" of TopAccess.

CA certificate
User certificate

[G] Reset "FUNCTION LIST FOR MAINTENANCE"

- (1) Print out the "FUNCTION LIST FOR MAINTENANCE" list after the formatting. For how to print it out, refer to  P. 9-26"[B] Print out "FUNCTION LIST FOR MAINTENANCE".
- (2) While pressing [1] and [3] simultaneously, turn the power ON. (Function Mode)
- (3) Compare the lists which were printed before and after the formatting to check the setting items having the different setting values. Set the value which was set before the formatting.
- (4) Turn the power OFF.

[H] Reset "FUNCTION" list

Reset the fax function by referring to the "FUNCTION" list that was printed out in " P. 9-26"[C] Print out "FUNCTION" list".



- (1) Press the [USER FUNCTIONS] button.
- (2) Press the [ADMIN] button, enter the password, and then press the [ENTER] button.

Notes:

Explain the user (machine administrator) about the next operation and ask him/her to enter his/her password.

- (3) Press the [FAX] button and then the [TERMINAL ID] button to set each item.
- (4) Press the [INITIAL SETUP] button to set each item.

[I] Adjust image quality

- (1) Start up with the Adjustment mode (05).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Perform "Automatic gamma adjustment" <PPC> (05-7869).
 P. 6-31"6.2.1 Automatic gamma adjustment"
- (4) Perform "Automatic gamma adjustment" <PRT> (05-8008, 8009).
 P. 6-49"6.3.1 Automatic gamma adjustment"
- (5) Turn the power OFF.

9.2.4 Precautions and Procedures when replacing the SYS board

A procedure for SYS board replacement is shown below.

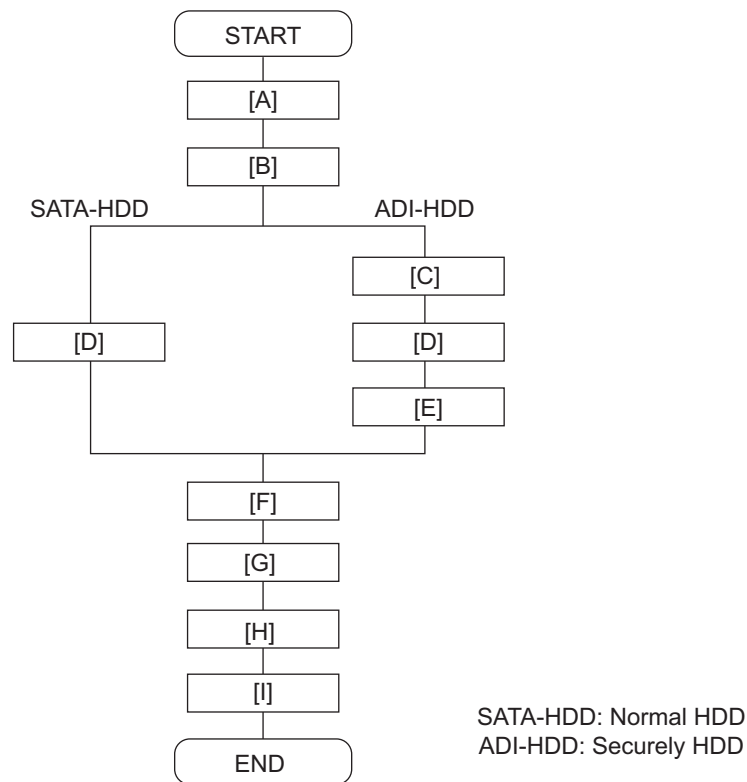


Fig. 9-66

Notes:

“[C] Update system ROM version (Jig)” is required only for the equipment in which the ADI-HDD has been installed and the OS version is less than “2000”.

“[E] Restore ADI key” is required only for the equipment in which the ADI-HDD has been installed.

[A] Return License

Notes:

- If the Setting Mode (08) is not started up, “[A] Return license” can be omitted. In that case, since “[F] Reinstallation of License” cannot be performed, reinstall the license with [1]Re-registration when the board is replaced.
- When installing the Data Overwrite Enabler (GP-1070) and security mode is setting High Security, set the security mode level to “1” (Low level). Then restart the equipment.

- (1) Start up with the Setting Mode (08).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [ENTER] button.
- (4) Select the license to be returned, and then press the [REMOVE] button.
- (5) Install the one-time dongle, which you used for uploading the selected license, in the equipment, and then press the [OK] button.

- (6) The Remove screen is displayed, then press the [YES] button. If this screen is not displayed, check whether the one-time dongle is installed in the equipment properly.
- (7) After 10 to 40 seconds passes, the screen for notifying the success of performance is displayed. Then press the [OK] button. If this screen is not displayed or the screen for notifying the failure of performance is displayed, quit this operation by pressing the [NO]/[CLOSE] button. Then, check whether the one-time dongle, which you used for uploading the selected license, is installed in the equipment.
- (8) Check that the returned license is not displayed on the screen.

Remarks:


If there are any other licenses to be returned, repeat from step (4).

If there is no more licenses to be returned, press the [CLOSE] button, and then turn the power OFF.

[B] Replace the SYS board

Notes:

Before replacing the SYS board, perform the following procedure.

 P. 9-22"9.2.1 Precautions when replacing PC boards"

- (1) Confirm that the power is turned OFF.
- (2) Replace the SYS board.
- (3) Install DIMM (main memory, page memory) to the new SYS board (from the old SYS board).
- (4) Install SRAM board to the new SYS board (from the old SYS board).

[C] Update system ROM version (Jig)

Notes:

This procedure is required only for the equipment in which the ADI-HDD has been installed and the OS (system ROM) version is less than "2000".

E.g.: When the SYS board, which is to be changed, has been supplied as a service part and its OS version has been less than "2000".

Therefore, this procedure is not required if the OS version of the to-be-changed SYS board has been "2000" or later.

- (1) Upgrade the system ROM (OS data) version to "2000" or later using a download jig.

[D] Update system ROM version

Update the version of system ROMs (OS data) with the USB media.

 P. 11-6"11.2 Firmware Updating with a USB Device"

[E] Restore ADI key

Perform the following procedures if the ADI-HDD has been installed.


- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (3) Key in [5] to select "5. Key Backup Restore", and then press the [START] button.
- (4) Key in [5] to select "5.ADIKey SRAM to FROM", and then press the [START] button.
- (5) Wait until the restoring of the encryption key is completed. "Operation Complete" is displayed.

- (6) Restart the equipment after the restoring is completed. If you want to perform the restoring of the license, do not restart the equipment but perform from (4) in “[F] Restore license”.

[F] Restore encryption key

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (3) Key in [5] to select “5. Key Backup Restore”, and then press the [START] button.
- (4) Key in [1] to select “1. Key SRAM to FROM”, and then press the [START] button.
- (5) Wait until the restoring of the encryption key is completed. “Operation Complete” is displayed.
- (6) Restart the equipment after the restoring is completed. If you want to perform the restoring of the license, do not restart the equipment but perform from (4) in “[G] Restore license”.

[G] Restore license

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (3) Key in [5] to select “5. Key Backup Restore”, and then press the [START] button.
- (4) Key in [3] to select “3. License SRAM to FROM”, and then press the [START] button.
- (5) Wait until the restoring of the license is completed. “Operation Complete” is displayed.
- (6) After the restoring is completed, check that “OK” is indicated in “SRAM License STATUS” and “FROM License Status”. Then, restart the equipment.
- (7) If “4. License FROM to SRAM” is performed by mistake, carry out the following procedure.
 P. 9-48"[1] Re-registration when the board is replaced"

[H] Reinstall license

If the license was returned in “[A]Return License”, reinstall it with the following procedure.

- (1) Turn the power ON while pressing [0] and [8] simultaneously.
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [START] button.
- (4) Press the [INSTALL] button.
- (5) Install the one-time dongle in the equipment (the one which you used for returning the selected license before replacing the equipment). Then press the [OK] button.
- (6) Select the license to be installed, and then press the [INSTALL] button.
- (7) The screen for notifying that the installation will be started is displayed. Then press the [YES] button.

- (8) After 10 to 40 seconds have passed, the screen for notifying the success of the performance is displayed. Then press the [OK] button. If the screen for notifying a failure of the performance is displayed, quit this operation by pressing the [NO] button. Then check that the one-time dongle is installed properly in the equipment.
- (9) Check that the installed license is displayed on the license list.

Remarks:

If there are any other licenses to be installed, repeat from step (4). If there are no other licenses to be installed, press the [CLOSE] button, and then turn the power OFF.

[I] Check ROM versions

- System ROM version (08-9930)


Notes:

If the security mode is changed from High Security to Low Security in the step "[A]Return License", set the value of 08-8911 to "3" (High Security).



9.2.5 Procedures and settings when replacing the SLG board

Notes:

Before replacing the SLG board, perform the following procedure.

 P. 9-22"9.2.1 Precautions when replacing PC boards"

When the SLG board has been replaced, make sure to follow the procedure below.

- (1) Confirm that the power is turned OFF.
- (2) Replace the SLG board.
 P. 4-34"4.3.18 SLG board (SLG)"
- (3) Update the scanner ROM using the USB Media.
 P. 11-6"11.2 Firmware Updating with a USB Device"
- (4) Start up with the Adjustment Mode (05).
- (5) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (6) Perform "Data transfer of characteristic value of scanner / SYS board -> SLG board (05-3209)".
- (7) Perform "Shading correction plate Automatic dust detection adjustment (05-3218)".
- (8) Turn the power OFF.
- (9) Start up with the Setting Mode (08).
- (10) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (11) Check the version of the scanner ROM (08-9902).
- (12) Turn the power OFF.

9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)

Notes:

- Do not replace the HDD and the SRAM board (for the SYS board) together.
- Be careful not to damage the board when replacing the SRAM board.
- When the SRAM board is replaced, do not perform HDD partition creation (Format HDD) before the normal start-up.

A procedure for replacing the SRAM board is shown below.
When disposing of the SRAM board, perform the items in [P. 9-50](#)"9.3.4 Precautions when disposing of the SRAM board (for SYS board)".

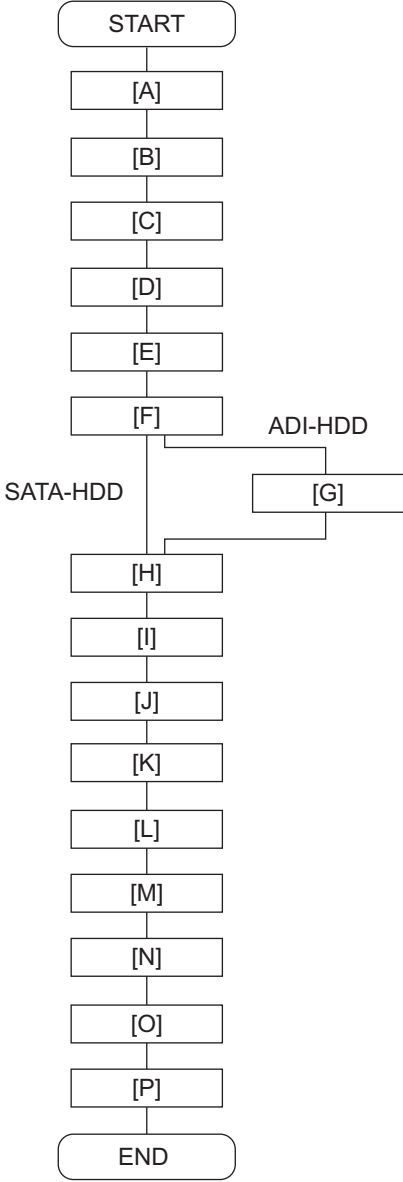


Fig. 9-67

Notes:

"[G] Backup ADI key" is required only for the equipment in which the ADI-HDD has been installed. Other procedures are the same as those for installing the SATA-HDD.

[A] Backup SRAM

Notes:

If “[A] Backup SRAM” fails, proceed to “[B]Return License”.

If “[A] Backup SRAM” succeeds, proceed to “[C]Replace SRAM board”.

- (1) Install the USB media in the equipment, and then turn the power ON while pressing [5] and [9] buttons simultaneously.
- (2) Key in [1] to select “1. Backup SRAM Data to USB”, and then press the [START] button.
- (3) Enter a password (max. 15 characters) to be set for the backup data.
- (4) Restart the equipment after the backup is completed.
- (5) Turn the power OFF.

[B] Return License


- (1) Start up with the Setting Mode (08).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [ENTER] button.
- (4) Select the license to be returned, and then press the [REMOVE] button.
- (5) Install the one-time dongle, which you used for uploading the selected license, in the equipment, and then press the [OK] button.
- (6) The Remove screen is displayed, then press the [YES] button. If this screen is not displayed, check whether the one-time dongle is installed in the equipment properly.
- (7) After 10 to 40 seconds passes, the screen for notifying the success of performance is displayed. Then press the [OK] button. If this screen is not displayed or the screen for notifying the failure of performance is displayed, quit this operation by pressing the [NO]/[CLOSE] button. Then, check whether the one-time dongle, which you used for uploading the selected license, is installed in the equipment.
- (8) Check that the returned license is not displayed on the screen.

Remarks:

If there are any other licenses to be returned, repeat from step (4).

If there is no more licenses to be returned, press the [CLOSE] button, and then turn the power OFF.

[C] Replace SRAM board

- (1) Confirm that the power is turned OFF.
- (2) Take off the Fax Unit (GD-1270) if it is installed.
- (3) Replace the SRAM board (for the SYS board).
 P. 9-16"9.1.14 SRAM board <for SYS board> (RAM-S)"

[D] Initialize SRAM system storage area

- (1) Turn the power ON while pressing [6] and [CLEAR] simultaneously.
- (2) When “SRAM Clear Mode” appears on the LCD, key in [1] to select “1. Clear SRAM” and then press the [START] button.
- (3) When “SRAM Format Completed” is displayed on the LCD, initializing is completed.
- (4) Turn the power OFF.

[E] Restore SRAM

If there is SRAM backup data, perform the following steps.

- (1) Turn the power ON while pressing [6] and the [CLEAR] button simultaneously.
- (2) When “SRAM Clear Mode” appears on the LCD, key in [0] to select “0. Set Serial Number” and then press the [START] button.
- (3) Key in the serial number on the label attached to the rear cover of the equipment, and then press the [OK] button.
- (4) “Serial Number Setting completed” is displayed.
- (5) Turn the power OFF.
- (6) Install the USB media in the equipment, and then turn the power ON while pressing [5] and [9] simultaneously.
- (7) Key in [2] to select “2. Restore SRAM Data from USB” and then press the [START] button.
- (8) Enter the password set for the backup data.
- (9) Enter the serial number of the backup file.
- (10) Turn the power OFF after the restoring of SRAM is completed.

Remarks:

When the restoration is completed successfully, do not perform “[F] Clear SRAM update error flags” or later procedures.

End this procedure here and finish replacing the SRAM board (for SYS board).

- (11) Reinstall the GD-1270 Fax Unit if used.

[F] Clear SRAM update Error flags

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) After “Firmware Assist Mode” is displayed on the LCD, check that “1: Clear Error Flag in Software Installation.” is marked and press the [START] button.
If not, key in [1] and then press the [START] button.
- (4) When “Operation Complete” is displayed on the LCD, clearing the flag is completed.
- (5) Turn the power OFF.

[G] Backup ADI key

Perform the following procedures if the ADI-HDD has been installed.


- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [OK] button without entering anything.)
- (3) Key in [5] to select "5. Key Backup Restore", and then press the [START] button.
- (4) Key in [6] to select "6. ADIKey FROM to SRAM", and then press the [START] button.
- (5) Wait until the backup of the ADI key is completed. "Operation Complete" is displayed.
- (6) Restart the equipment after the backup is completed.
If you want to perform the backup of the license, do not restart the equipment but perform from (4) in "[H] Backup encryption key".

[H] Backup encryption key

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [5] to select "5. Key Backup Restore", and then press the [START] button.
- (4) Key in [2] to select "2. Key FROM to SRAM", and then press the [START] button.
- (5) Wait until the backup of the encryption key is completed. "Operation Complete" is displayed.
- (6) Restart the equipment after the backup is completed. If you want to perform the backup of the license, do not restart the equipment but perform from (4) in "[I] Backup license".
- (7) Turn the power OFF.

[I] Backup license

Notes:

If "3. License SRAM to FROM" is performed by mistake, carry out the following procedure.
 P. 9-48" [1] Re-registration when the board is replaced"

- (1) Turn the power ON while pressing [3] and the [CLEAR] button simultaneously.
- (2) Enter the password, and then press the [OK] button. (If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [5] to select "5. Key Backup Restore", and then press the [START] button.
- (4) Key in [4] to select "4. License FROM to SRAM", and then press the [START] button.
- (5) Wait until the backup of the license is completed. "Operation Complete" is displayed.
- (6) Restart the equipment after the backup is completed.
- (7) Turn the power OFF.

[J] Initialize SRAM board

- (1) Start up with the Setting Mode (08).
- (2) Initialize the SRAM error.
 1. When "SRAM REQUIRES INITIALIZATION" is displayed on the LCD, check the destination and then press the [START] button.
If the destination is not correct, key in the correct one and then press the [START] button.
 2. After the confirmation message is displayed, press the [INTERRUPT] button.
- (3) Perform the panel calibration (08-9050).
 1. Touch the center of "+" mark displayed on the upper left of the LCD.
 2. Touch the center of "+" mark displayed on the upper right of the LCD.
 3. Touch the center of "+" mark displayed on the lower left of the LCD.
 4. Touch the center of "+" mark displayed on the lower right of the LCD.
- (4) Perform the initialization at the software version upgrade (08-9030).
- (5) Initialize the NIC information (08-9083).
- (6) Enter the serial number (08-9601).
Key in the serial number on the label attached to the rear cover of the equipment, and then press the [OK] button.
- (7) Turn the power off.

[K] Reinstall license

If the license was returned in "[B]Return License", reinstall it with the following procedure.

- (1) Turn the power ON while pressing [0] and [8] simultaneously.
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [START] button.
- (4) Press the [INSTALL] button.
- (5) Install the one-time dongle in the equipment (the one which you used for returning the selected license before replacing the equipment). Then press the [OK] button.
- (6) Select the license to be installed, and then press the [INSTALL] button.
- (7) The screen for notifying that the installation will be started is displayed. Then press the [YES] button.
- (8) After 10 to 40 seconds have passed, the screen for notifying the success of the performance is displayed. Then press the [OK] button. If the screen for notifying a failure of the performance is displayed, quit this operation by pressing the [NO] button. Then check that the one-time dongle is installed properly in the equipment.
- (9) Check that the installed license is displayed on the license list.

Remarks:



If there are any other licenses to be installed, repeat from step (13). If there are no other licenses to be installed, press the [CLOSE] button, and then turn the power OFF.

[L] Enable HDD encryption

If you use the HDD encryption function, follow the procedure below.

- (1) Start up with the Setting mode (08).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Enable the HDD encryption function. Set the value of 08-8911 to "3", or the value of 08-8911 to "1" and 08-9379 to "1" or "2".
- (4) Turn the power OFF.

[M] Adjust image quality

- (1) Start up with the Adjustment mode (05).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Perform "Data transfer of characteristic value of scanner" (05-3203).
- (4) Perform "Automatic gamma adjustment" <PPC> (05-7869).
 P. 6-31"6.2.1 Automatic gamma adjustment"
- (5) Perform "Automatic gamma adjustment" <PRT> (600dpi: 05-8008, 1200dpi: 05-8009).
 P. 6-49"6.3.1 Automatic gamma adjustment"
- (6) Turn the power OFF.

[N] Initialize settings when FAX Unit (GD-1270) is installed

- (1) Reinstall the FAX Unit (GD-1270).
- (2) Start up with the Setting mode (08).
- (3) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (4) Set the destination of FAX (08-9001).
- (5) Turn the power OFF.
- (6) Start up with the FAX Clearing Mode (1*).
- (7) Perform the FAX Set Up (1*-100).
- (8) Turn the power OFF and then back ON.
- (9) Set the dial type according to these buttons: [USER FUNCTIONS] -> [ADMIN] -> [FAX] -> [INITIAL SETUP]

[O] Set date and time

Set the date and time according to these buttons.

[USER FUNCTIONS] → [ADMIN] → [GENERAL] → [CLOCK] → [DATE/TIME]

[P] Set EFI Printer Board

If the EFI Printer Board (GA-1310) is installed, perform the following procedure.

- (1) Turn the power OFF.
- (2) Start the setting mode (08).
- (3) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (4) Initialize the EFI Printer Board (08-9951).
- (5) Turn the power OFF.

9.2.7 Precautions and Procedures when replacing SRAM board (for LGC board)

Notes:

Be careful not to damage the board when replacing the SRAM board.
A procedure for replacing the SRAM board is shown below.

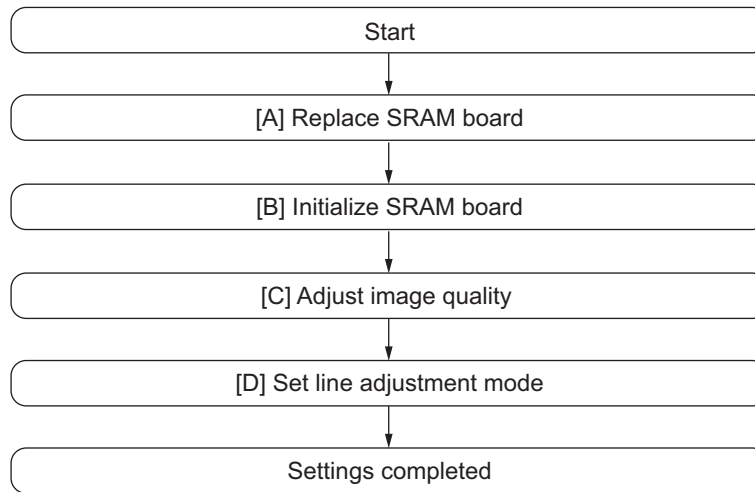


Fig. 9-68

[A] Replace SRAM board

- (1) Confirm that the power is turned OFF.
- (2) Replace the SRAM board (for the LGC board).
 P. 9-15"9.1.13 SRAM board <for LGC board> (RAM-L)"

Notes:

After the TRU waste toner amount detection sensor has detected the near-full status, and the number of prints has reached the specified value (08-4597), the TRU waste toner box is judged as being full. The count value of the number of prints is stored in the SRAM board until it reaches the specified value. When the SRAM board is replaced, the data stored in the SRAM board are reset. Check the TRU waste toner box and if the amount of the waste toner exceeds the position of the line shown in the following figure, replace the TRU waste toner box.

P. 4-159"4.7.19 TRU waste toner box"

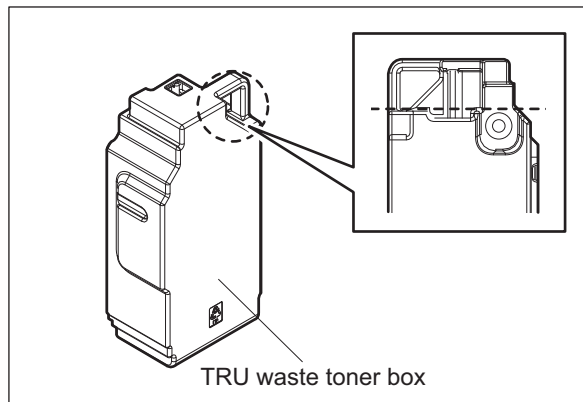


Fig. 9-69

[B] Initialize SRAM board

- (1) Pull up the duplexing unit, and check the destination printed on the white tape stuck on the equipment.
- (2) Start up with the Setting Mode (08).
- (3) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (4) Perform "Destination display at SRAM initialization" (08-9060).
- (5) Check whether the displayed destination (see the below figure) of the SRAM board (for the SYS board) is the same as the one in step (1).

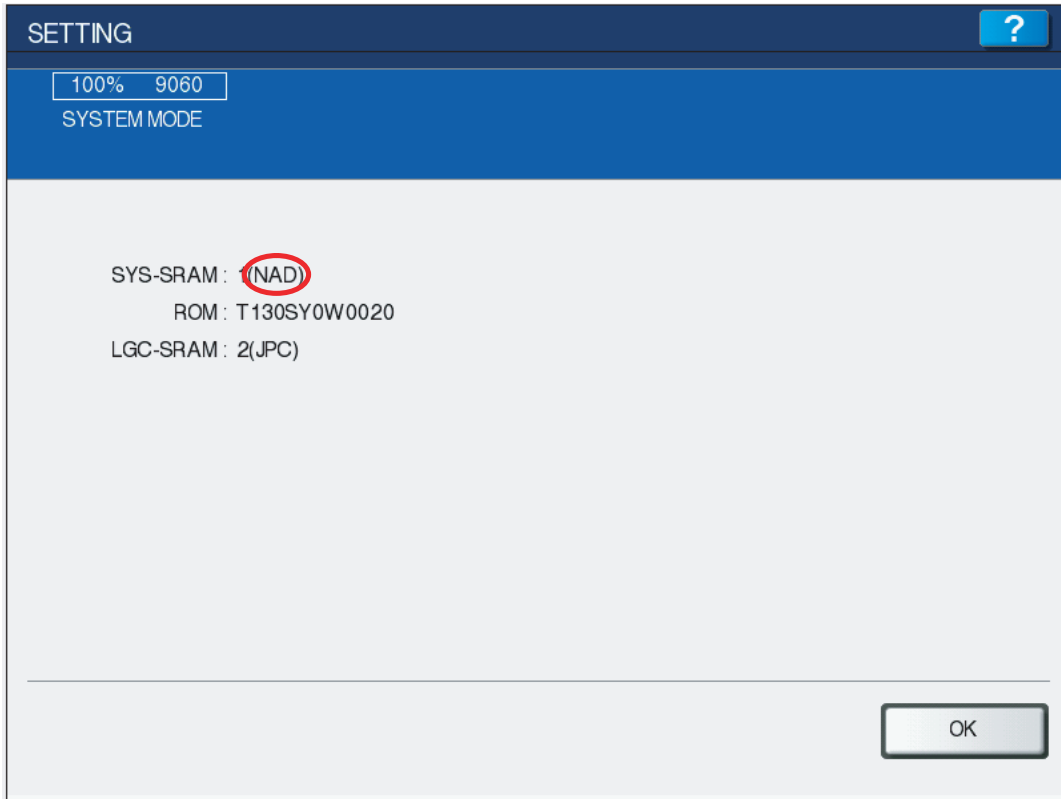


Fig. 9-70

Remarks:

If the destinations are different, initialize the SRAM board (for the SYS board) with reference to the following procedure.

P. 9-35"9.2.6 Precautions and Procedures when replacing SRAM board (for SYS board)"

- (6) Perform "Printer all clear" (08-9090).

- (7) Press the [INITIALIZE] button to perform the initialization of the SRAM board (for the LGC board).

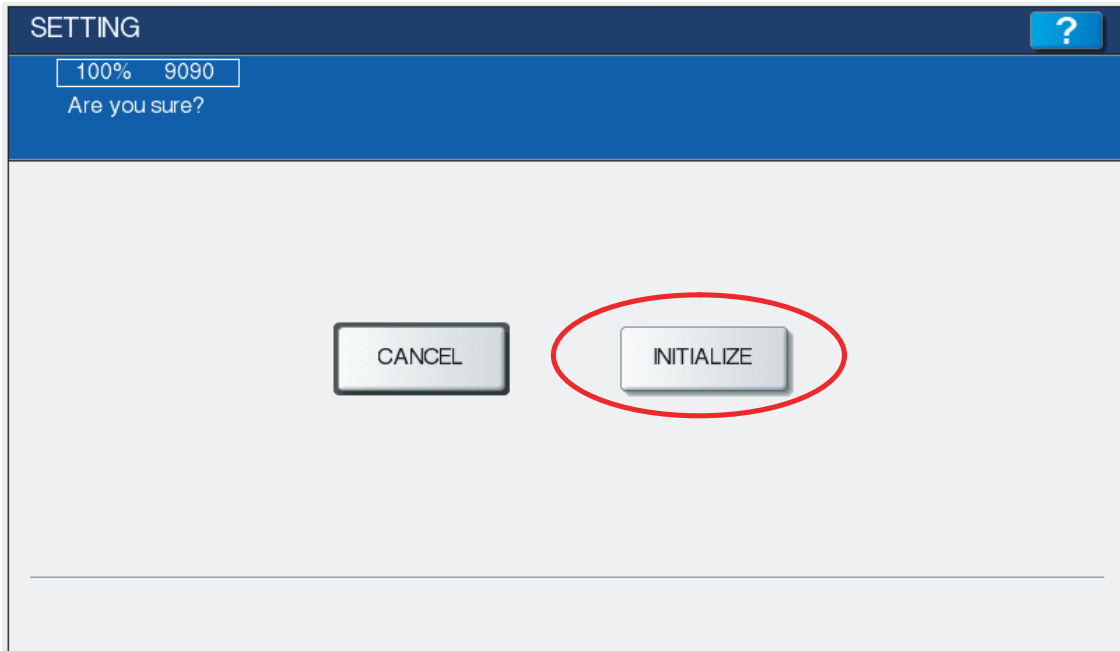


Fig. 9-71

- (8) Perform "Destination display at SRAM initialization" (08-9060), and check whether the same destinations are displayed for the SYS board and the LGC board of the SRAM boards.

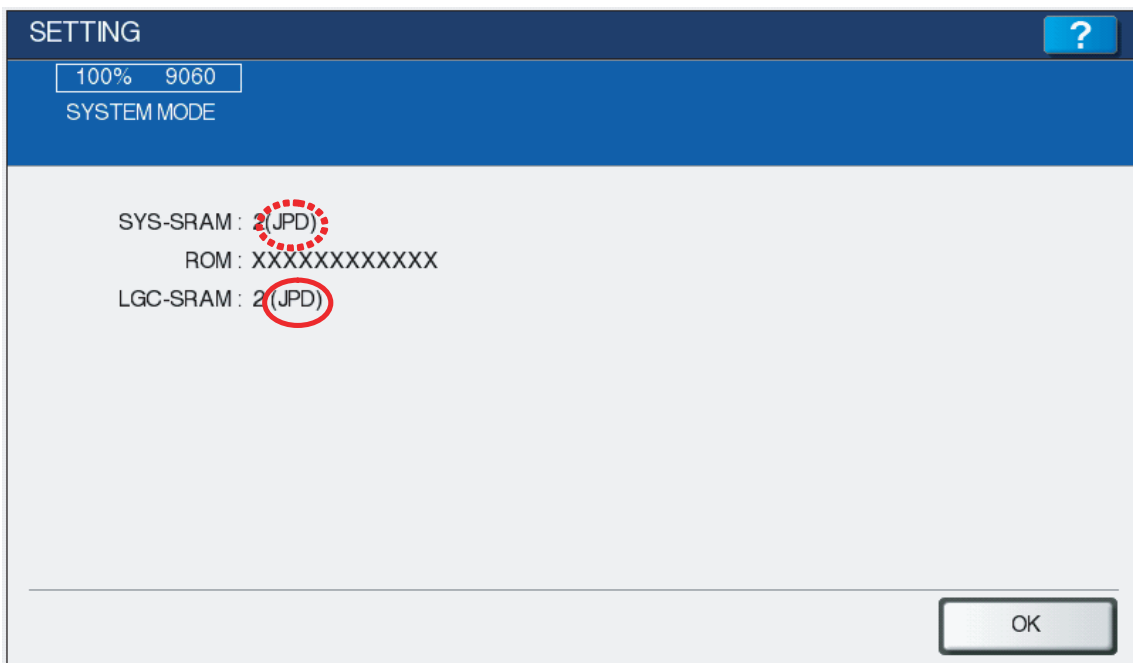




Fig. 9-72

Remarks:

If an error occurs during the initialization of the SRAM board (for the LGC board) and the initialization fails, error messages are displayed on the touch panel. The error messages and the corresponding troubleshooting methods are shown below.

Error message	Troubleshooting
R/W FAILURE	Check whether the SRAM board (for the LGC board) is connected properly.
UNDEFINED MODEL	Since the LGC board probably has a problem, replace it with a new one by following the procedure below.  P. 9-5"9.1.6 LGC board (LGC)"
UNDEFINED VERSION	Recheck the destination of the SRAM board (for the SYS board). Since the SRAM board (for the SYS board) probably has a problem, replace it with a new one by following the procedure below.  P. 9-16"9.1.14 SRAM board <for SYS board> (RAM-S)"
VERIFY ERROR	Check whether the SRAM board (for the LGC board) is connected properly.

[C] Adjust image quality

- (1) Take off the front lower cover.
📖 P. 4-1"4.1.1 Front lower cover"
- (2) Correctly write down the adjustment values of the following (05) codes on the label attached on the laser optical unit cooling duct.

Label Indication

	L (0)	H (0)
05/2627		
05/2628		
05/2629		
05/2630		





* "L (0)" is for the sub code "0" and "H (0)" is that for "1".

- (3) Start up with the Adjustment mode (05).
- (4) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (5) Enter all the adjustment values written down in step (2).
- (6) Reset the auto toner sensor.
 1. Turn the power OFF.
 2. Take off the developer units of 4 colors (Y, M, C and K).
📖 P. 4-110"4.6.24 Developer unit"
 3. Discharge developer material in each developer unit and make sure that the developer unit is completely empty. Or prepare empty developer units of 4 colors (Y, M, C and K).
📖 P. 4-112"4.6.25 Developer material"
 4. Install the empty developer units of 4 colors (Y, M, C and K) to the equipment
📖 P. 4-110"4.6.24 Developer unit"
 5. Install the developer cartridges of 4 colors (Y, M, C and K) to the equipment.
 6. Install the front cover.
📖 P. 4-1"4.1.2 Front cover"
 7. Perform automatic adjustment of auto-toner sensor.
Start up with the Adjustment mode (05), enter [2400] and press the [START] button.
 8. Turn the power OFF.
 9. Take off the front cover.
📖 P. 4-1"4.1.2 Front cover"
 10. Take out all the developer cartridges and then install the sub-hoppers of 4 colors (Y, M, C and K).
📖 P. 4-100"4.6.11 Sub-hopper"
 11. Install the front cover.
📖 P. 4-1"4.1.2 Front cover"

Remarks:

You can reset the auto-toner sensor by directly entering the adjustment values for (05) 2405-0 to 3 with the Adjustment mode data list, which has been printed during normal operation of equipment such as when it is setup, when preventive maintenance (PM) is performed or when developer material is replaced, etc.

- (7) Perform the "Forced performing of image quality closed-loop control" (05-2742)
- (8) Perform "Mirror motor initial excitation setting" (05-4721).
- (9) Perform the enforced position adjustment (05-4719).

- (10) Perform printer related adjustment and scanner related adjustment.
 P. 6-16"6.1.7 Printer-related image dimensional adjustment"
 P. 6-23"6.1.8 Scanner-related image dimensional adjustment"
- (11) Perform "Automatic gamma adjustment" <PPC> (05-7869).
 P. 6-31"6.2.1 Automatic gamma adjustment"
- (12) Perform "Automatic gamma adjustment" <PRT> (600dpi: 05-8008, 1200dpi: 05-8009).
 P. 6-49"6.3.1 Automatic gamma adjustment"

Remarks:

Usually, it is only necessary to perform automatic gamma adjustment for [Plain paper]; however if other paper is used, perform automatic gamma adjustment per paper type.

[D] Set line adjustment mode

- (1) Turn the power OFF.
- (2) Start up with the Setting Mode (08).
- (3) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (4) Set "Line adjustment mode" to "0: For factory shipment" (08-9010).

Notes:

Be sure to change the setting of "Line adjustment mode" (08-9010) to "0: For factory shipment". Since "1: For line" is set for "Line adjustment mode" in SRAM supplied as a service part, number of prints is not counted unless it is changed.

9.2.8 Firmware confirmation after the PC board/HDD replacement

After replacing the PC board/HDD, check the firmware version in the setting mode (08) and confirm if the firmware combination is correct.

Firmware	Code	Remarks
Updating Master data (HDD program data)	08-8952	HD data external version
	08-9900	System software version
Updating System ROM (OS data)	08-9930	System ROM version
Updating PFC ROM (PFC firmware)	08-9940	PFC ROM version
Updating Engine ROM (Engine firmware)	08-9901	Engine ROM version
Updating Scanner ROM (Scanner firmware)	08-9902	Scanner ROM version
Updating RADF ROM (RADF firmware)	08-9903	RADF ROM version
Updating Finisher ROM	08-9904	Finisher ROM version Saddle stitcher ROM version
	08-9944	Hole punch unit ROM version
	08-9945	Converter ROM version
Updating FAX ROM	08-9905	FAX ROM version

* If "NGD" is displayed for the PFC ROM.version (08-9940), the downloading of PFC ROM fails.
Update the firmware again.

 P. 11-52"11.6 When Firmware Updating Fails"

9.2.9 License re-registration using the one-time dongle

[1] Re-registration when the board is replaced

The license registered using the one-time dongle can be re-registered only in the same equipment. When the SYS board or SRAM board (for SYS board) is replaced, follow the procedures for re-registration given below.

- (1) Start up with the Setting Mode (08).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [START] button.
- (4) Press the [INSTALL] button.
- (5) Install the one-time dongle in the equipment (the one which you used for registering the selected license), and then press the [OK] button.
- (6) Select the license to be installed, and then press the [INSTALL] button.
- (7) The screen for notifying that the installation will be started is displayed. Then press the [YES] button.
- (8) After 10 to 40 seconds have passed, the screen for notifying the success of the performance is displayed. Then press the [OK] button. If the screen for notifying a failure of the performance is displayed, quit this operation by pressing the [CLOSE] button. Then check that the one-time dongle, which you used for uploading the selected license, is installed in the equipment.
- (9) Check that the installed license is displayed on the license list.

Remarks:

If there are any other licenses to be returned, repeat from step (4). If there are no other licenses to be returned, press the [CLOSE] button, and then turn the power OFF.

Notes:

This procedure is available only with the one-time dongle used for the previous registration, since the model information registered in it is utilized. Use the same one-time dongle and the equipment when registering the license.

[2] Re-registration when the equipment is replaced due to malfunction

When the equipment has to be replaced due to a malfunction, return the license registered in the equipment to the one-time dongle and register it to the new equipment following the procedure below.

Notes:

The license of the IPsec Enabler (GP-1080) cannot be reinstalled. The one-time dongle to be used is the one for the previous registration of the license. The license is deleted from the equipment and is stored in the one-time dongle.

Do not perform the deletion of PDFa Converter since it is deleted without any return to the one-time dongle.

- (1) Start up with the Setting Mode (08).
- (2) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (3) Key in [3840], and then press the [START] button.
- (4) Select the license to be returned, and then press the [REMOVE] button.

- (5) Install the one-time dongle in the equipment (the one which you used for uploading the selected license), and then press the [OK] button.
- (6) The Remove screen is displayed. Then press the [YES] button.
If this screen is not displayed, check that the one-time dongle is installed in the equipment properly.
- (7) After 10 to 40 seconds have passed, the screen for notifying the success of the performance is displayed. Then press the [OK] button.
If the screen for notifying a failure of the performance is displayed, quit this operation by pressing the [CLOSE] button. Then check that the one-time dongle, which you used for uploading the selected license, is installed in the equipment.
- (8) Check that the returned license is not displayed on the screen.

Remarks:

If there are any other licenses to be returned, repeat from step (4).

If there are no other licenses to be returned, press the [CLOSE] button, and then turn the power OFF.

- (9) Replace the equipment.
- (10) Turn the power ON while pressing [0] and [8] simultaneously.
- (11) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (12) Key in [3840], and then press the [START] button.
- (13) Press the [INSTALL] button.
- (14) Install the one-time dongle in the equipment (the one which you used for returning the selected license before replacing the equipment). Then press the [OK] button.
- (15) Select the license to be installed, and then press the [INSTALL] button.
- (16) The screen for notifying that the installation will be started is displayed. Then press the [YES] button.
- (17) After 10 to 40 seconds have passed, the screen for notifying the success of the performance is displayed. Then press the [OK] button. If the screen for notifying a failure of the performance is displayed, quit this operation by pressing the [NO] button. Then check that the one-time dongle is installed properly in the equipment.
- (18) Check that the installed license is displayed on the license list.

Remarks:

If there are any other licenses to be installed, repeat from step (13). If there are no other licenses to be installed, press the [CLOSE] button, and then turn the power OFF.

9.3 Precautions for Installation of GP-1070 and Disposal of HDD/ Board

9.3.1 Precautions for Installation of GP-1070

When installing the Data Overwrite Enabler (GP-1070), perform the following setting:

3C->6. Erase HDD Securely: HDD securely erasing

This setting is the overwriting method complying with DoD 5220.22-M.

1. LOW: This is the normal overwriting method. (This setting is used normally.)
"00-FF-Random-Verify" Once
2. MEDIUM: This overwriting method is more secure than LOW. The erasing time is between LOW and HIGH.
"00-FF-Random" three times repeatedly -Verify
3. HIGH: This is the most secure overwriting method. It takes the longest time to erase data
"00-FF-Random" five times repeatedly -Verify
4. SIMPLE: This is the simple overwriting method. It takes the shortest time to erase data.
Overwrite the Random data once

9.3.2 Precautions when disposing of the HDD

[1] When disposing of ADI-HDD

When disposing of ADI-HDD, perform the following setting:

4C->1. Revert factory initial status HDD

[2] When disposing of SATA-HDD

When disposing of SATA-HDD, perform the following setting:

3C->6. Erase HDD Securely (HDD securely erasing)

This setting is the overwriting method complying with DoD 5220.22-M.

1. LOW: This is the normal overwriting method. (This setting is used normally.)
"00-FF-Random-Verify" Once
2. MEDIUM: This overwriting method is more secure than LOW. The erasing time is between LOW and HIGH.
"00-FF-Random" three times repeatedly -Verify
3. HIGH: This is the most secure overwriting method. It takes the longest time to erase data
"00-FF-Random" five times repeatedly -Verify
4. SIMPLE: This is the simple overwriting method. It takes the shortest time to erase data.
Overwrite the Random data once

9.3.3 Precautions when disposing of the SYS board

When disposing of the SYS board, data clearing is not required since important data, such as user information, etc. are stored in the SRAM board.

9.3.4 Precautions when disposing of the SRAM board (for SYS board)

When disposing of the SRAM board, perform 3C ->7:Erase SRAM Securely (SRAM securely erasing) for security reasons.

Notes:

If these codes are performed, the equipment cannot be started up.

9.3.5 Precautions when disposing of the SRAM board (for LGC board)

When disposing of the SRAM board (for LGC board), data clearing is not required since important data, such as user information, etc. are not stored.

10. REMOTE SERVICE

There are following functions as Remote Service.

1. Auto Supply Order
Automatically orders the toner and waste toner box by FAX or E-mail.
2. Service Notification
Notifies the status of the equipment to the service technician by E-mail or FAX.

10.1 Auto Supply Order

10.1.1 Outline

Automatically orders the toner and waste toner box.

(1) Placing an Order

There are two ways to place an order.

- FAX
Installation of the FAX board is required.
If the FAX board has not been installed, it is regarded as OFF setting.
- E-mail (E-mail body + TIFF image)

(2) Order Intervals

The Auto Supply Order is sent as indicated in the following steps.

- Toner cartridge
 1. Toner empty occurs.
 2. The toner cartridge is replaced.
 3. The toner empty counter is incremented when the total number of prints or the pixel counter value exceeds the threshold set in the following self-diagnostic code.

Items	08 code	Contents
Toner empty determination counter	6506	Selects the counter to determine toner empty. 0: Output pages 1:Pixel counter
Threshold setting for toner empty determination (output pages)	6507	Sets the number of output pages to determine toner empty. This setting is valid when "0" is set at 08-6506.
Threshold setting for toner empty determination (pixel counter)	6508	Sets the number of the pixel counter value to determine toner empty. This setting is valid when "1" is set at 08-6506.

e.g.) When "0" is set for 08-6506 and "50" is set for 08-6507

The toner empty counter is incremented when 50 sheets are printed after the toner cartridge has been replaced.

4. When the accumulated number of toner empty times reaches the set condition, an order is placed automatically.

- Waste toner box
When the number of the waste toner full detection times reaches the set condition, an order is placed automatically.
The order condition for the toner cartridge and the waste toner box can be set individually.

(3) If Order Failure Occurs

If some problems occur and the order cannot be placed after registering an order as a job, refer to the standard countermeasure for the FAX/E-mail transmission failure.

10.1.2 Setting Item

To enable Auto Supply Order, the following settings are required.

Notes:

When selecting E-mail to place an order, it is required that sending and receiving E-mails are available. Confirm the details to the administrator.

(1) Self-diagnosis (08) Setting

As the default setting, the Auto Supply Order setting screen is not displayed on the touch panel. To display it, switching the Valid/Invalid setting (08-9783) is required.

0: Valid (FAX/Internet FAX)

1: Valid (FAX/Internet FAX/HTTP)*

2: Invalid (Default)

When changing the setting value from "2" (default) to "0", the Auto Supply Order setting screen is displayed. (* HTTP has not been supported yet.)

(2) Touch Panel Setting

Each item is set from the Auto Supply Order screen on the touch panel.

Entering the password and customer information is required because the setting is made from the ADMIN screen. Setting it with the administrator is a must.

- Basic setting

[ADMIN] > [SERVICE] > [SUPPLY ORDER SETUP] > [ORDER INFORMATION]

AUTO SUPPLY ORDER	Ordered by: [FAX], [MAIL], [HTTP] (*1)
FAX NUMBER	FAX number of supplier (*2)
E-MAIL	E-mail address of supplier (*3)
CUSTOMER	Customer information
NAME	
TEL NUMBER	
E-MAIL	
ADDRESS	
SUPPLIER	Supplier information
NAME	
ADDRESS	
SERVICE TECNICIAN	Service technician information
NUMBER	
NAME	
TEL NUMBER	
E-MAIL	

*1 HTTP has not been supported yet.

*2 Even when "FAX" is selected, the order is not placed without entering the FAX number.

*3 Even when "MAIL" is selected, the order is not placed without entering the E-mail address.

- Detailed setting for the order

[ADMIN] > [SERVICE] > [SUPPLY ORDER SETUP] > [TONER ORDERING]

***** TONER ORDER	Order information (TONER /USED TONER CONTAINER)
PART NUMBER	Part number to be ordered
CONDITIOIN	The number of conditions (*)
QUANTITY	The quantity to be ordered
AUTO ORDER	ON/OFF setting of order for each part

* The order is placed when the number of replacement reaches the number specified for the CONDITION.

- FAX number of this equipment (common information)
[ADMIN] > [FAX] > [TERMINAL ID]

ID NAME	ID name of this equipment
FAX NUMBER	FAX number of this equipment


- E-mail information of this equipment (common information)
[ADMIN] > [E-MAIL]

FROM NAME	E-mail username of this equipment
FROM ADDRESS	E-mail address of this equipment (*)

* When sending an E-mail, validity of the address is checked. If the address is invalid, it is not sent.

(3) Output of setting list of the Auto Supply Order

1. Enter the Service Mode.

 P. 5-5"5.2 Service UI"

2. Select "FAX LIST PRINT MODE" and then press [NEXT].

3. Select "SUPPLY ORDER LIST" and then press [PRINT].

10.1.3 Setting procedure

- (1) Start up the self-diagnosis setting mode 08-9783, and then change the setting value to "0".
- (2) Turn the power OFF, and then ON.
- (3) Press the [USER FUNCTIONS] button to enter the user function screen.
- (4) Press the [ADMIN] button.
 - When the Administrator Password has been set, ADMINISTRATOR PASSWORD screen is displayed.

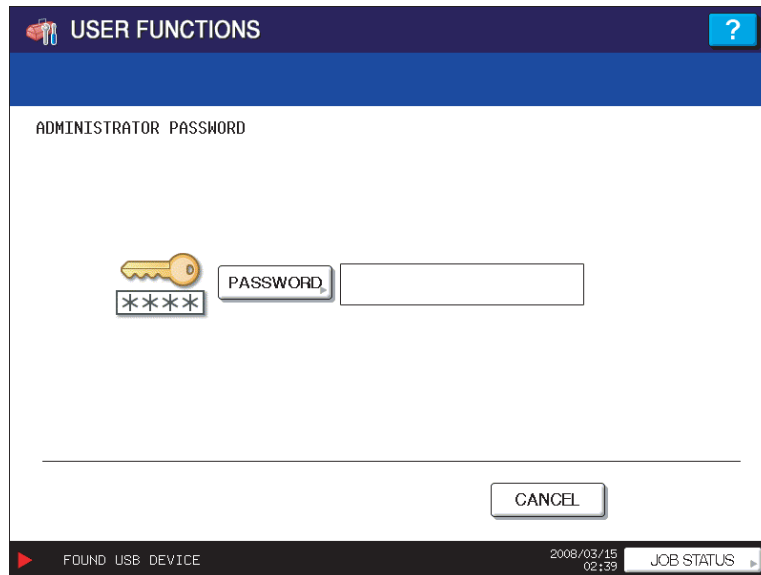


Fig.10-1

- (5) Press the [PASSWORD] button and the screen is switched to a full keyboard. Then key in the Administrator Password and press the [OK] button.
 - * Confirm the password to the administrator.

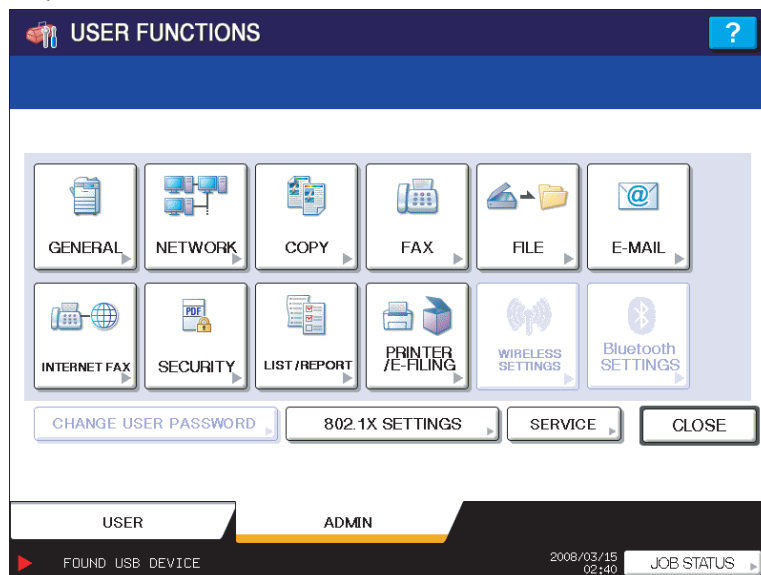


Fig.10-2

- (6) Press the [SERVICE] button in the ADMIN screen.

(7) The SERVICE screen is displayed.

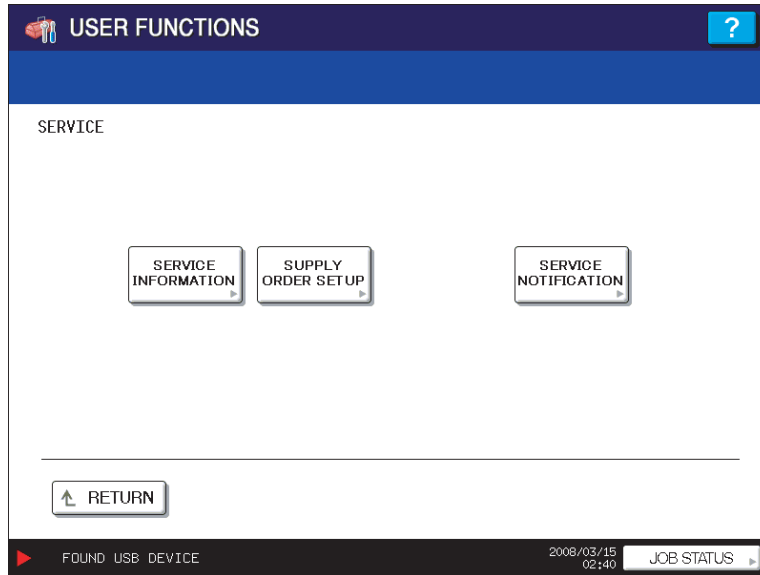


Fig.10-3

(8) Press the [SUPPLY ORDER SETUP] button.

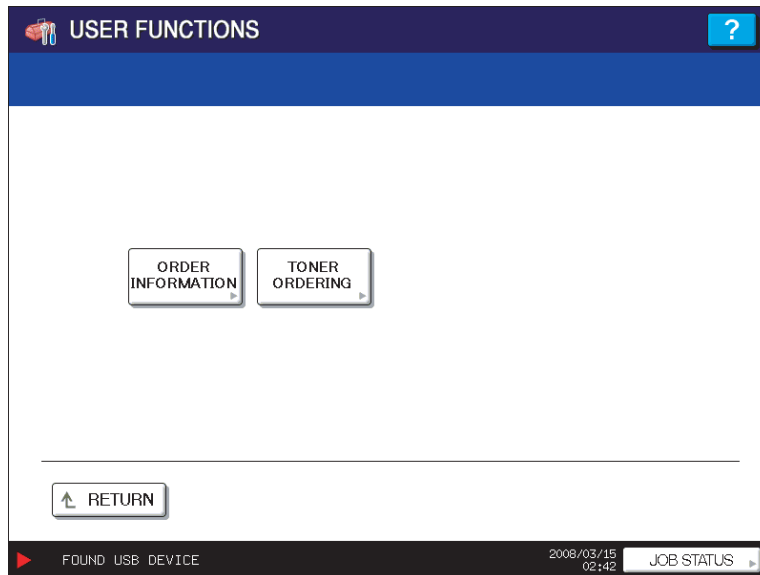


Fig.10-4

(9) Press the [ORDER INFORMATION] button.

(10) The ORDER INFORMATION screen is displayed.

USER FUNCTIONS

ORDER INFORMATION

AUTO SUPPLY ORDER

FAX

MAIL

HTTP

OFF

FAX NUMBER

E-MAIL

URL

PORT NUMBER 0

1 / 2

CANCEL OK

FOUND USB DEVICE 2008/03/15 02:42 JOB STATUS

Fig.10-5

(11) Press the buttons on the screen of ORDER INFORMATION to set the required item.

[FAX]/[MAIL]/[OFF] Select the [FAX] or the [MAIL] button for the transmitting way of order.
(HTTP has not been supported yet.)
[OFF]: Turn off the AUTO SUPPLY ORDER function.

[FAX NUMBER] Input the FAX number of supplier.
(To transmit by FAX, the order cannot be placed automatically if you do not input the number.)

[E-MAIL] Input the E-mail address of supplier.
(To transmit by E-mail, the order cannot be placed automatically if you do not input the address.)

(12) Press the scroll button.

(Press the [OK] button to register, and then the screen returns to the (7) SERVICE screen.
Press the [CANCEL] button to cancel this register, and then the screen returns to the (7) SERVICE screen.)

(13) The CUSTOMER/SUPPLIER screen is displayed.

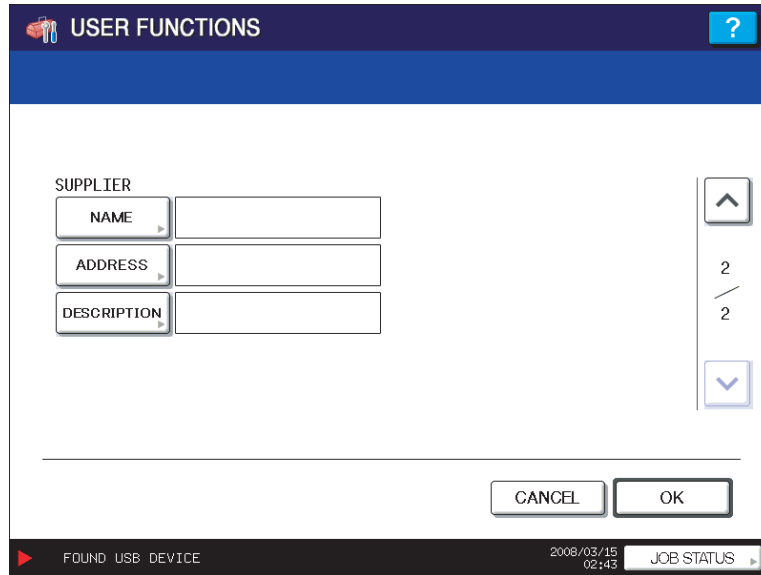


Fig.10-6

(14) Press the buttons of the screen of SUPPLIER to set the required item.

- [NAME] Input the name of supplier.
- [ADDRESS] Input the address of supplier.
- [DESCRIPTION] Input other remarks to be registered if required.

(15) Press the [OK] button.

(16) The SERVICE screen is displayed.

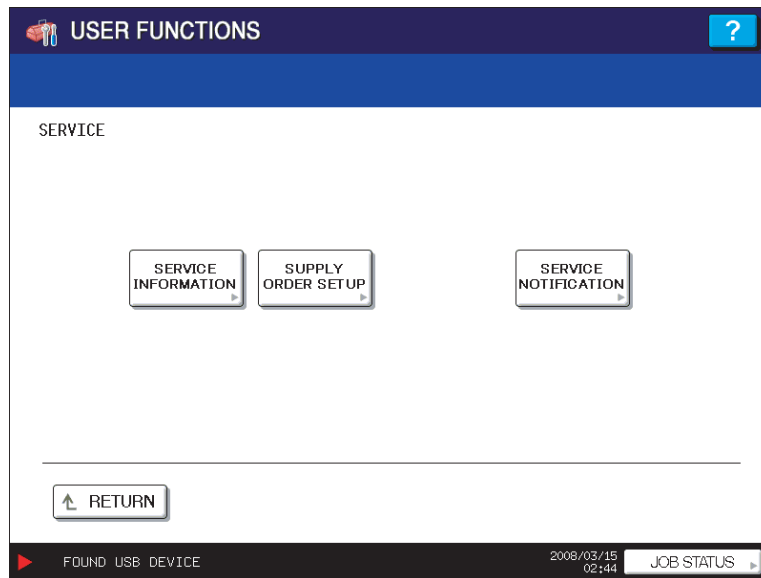


Fig.10-7

(17) Press the [SERVICE INFORMATION] button.

(18) The CUSTOMER/SERVICE TECHNICIAN screen is displayed.

The screenshot shows a software interface titled "USER FUNCTIONS" with a blue header bar. Below the header, the text "SERVICE INFORMATION" is displayed. The screen is divided into two columns: "CUSTOMER" on the left and "SERVICE TECHNICIAN" on the right. Each column contains four input fields with labels: "NAME", "TEL NUMBER", "E-MAIL", and "ADDRESS" for the customer; and "NUMBER", "NAME", "TEL NUMBER", and "E-MAIL" for the service technician. At the bottom right, there are "CANCEL" and "OK" buttons. The bottom status bar shows "FOUND USB DEVICE" on the left, the date and time "2008/03/15 02:44" in the center, and "JOB STATUS" on the right.

Fig.10-8

(19) Press the buttons of the screen of CUSTOMER/SERVICE TECHNICIAN to set the required item.

CUSTOMER

- [NAME] Input the name of customer.
- [TEL NUMBER] Input the telephone number of customer.
- [E-MAIL] Input the E-mail address of customer.
- [ADDRESS] Input the address of customer.

SERVICE TECHNICIAN

- [NUMBER] Input the number of SERVICE TECHNICIAN.
- [NAME] Input the name of SERVICE TECHNICIAN.
- [TEL NUMBER] Input the telephone number of SERVICE TECHNICIAN.
- [E-MAIL] Input the E-mail address of SERVICE TECHNICIAN.

(20) Press the [OK] button to register the order information setting.

(21) The SERVICE screen is displayed.

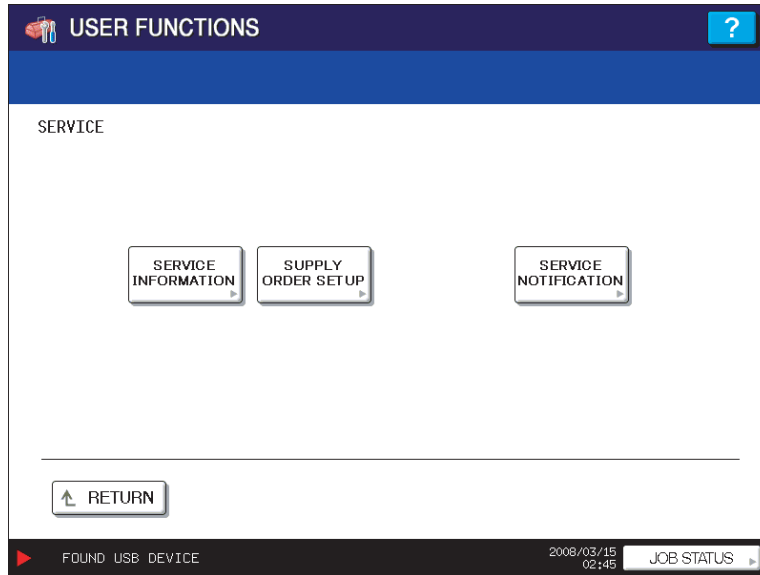


Fig.10-9

(22) Press the [SUPPLY ORDER SETUP] button.

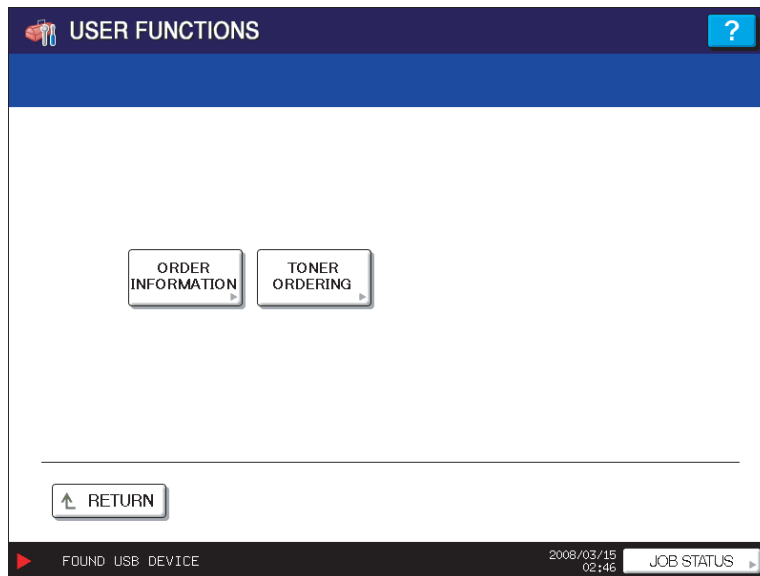


Fig.10-10

(23) Press the [TONER ORDERING] button.

(24) The TONER ORDERING screen is displayed.

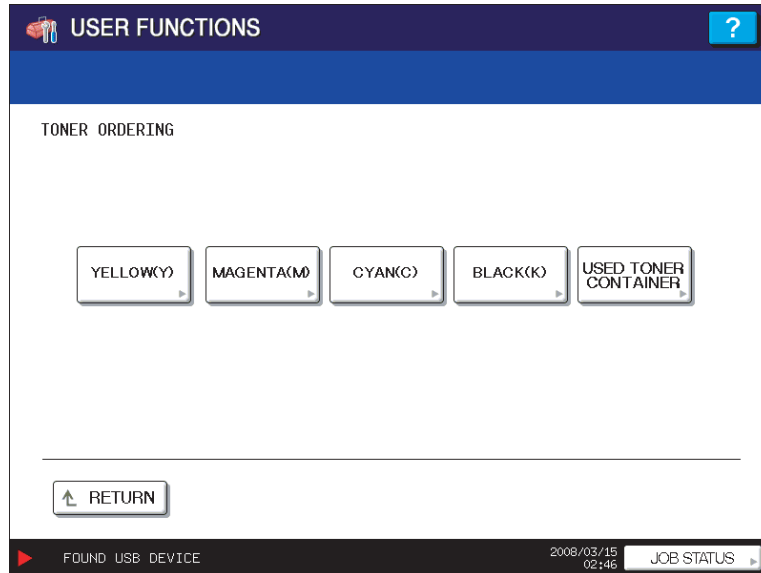


Fig.10-11

(25) Select the part to be ordered. (Press the [YELLOW(Y)] button.)

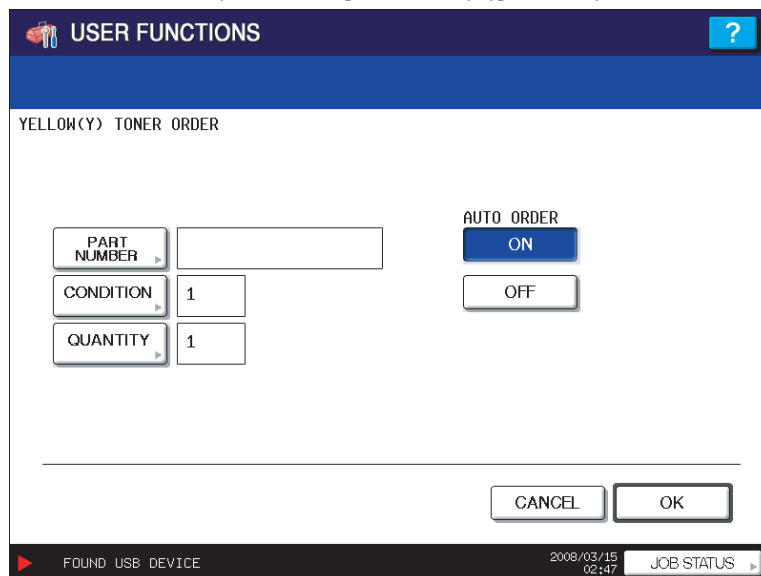


Fig.10-12

(26) Input the order information of TONER.

- | | |
|---------------|---|
| [PART NUMBER] | Toner number |
| [CONDITION] | The order is placed when the accumulated number of toner empty times reaches the value set in here. |
| [QUANTITY] | Quantity to be ordered |

AUTO ORDER

- | | |
|------------|--|
| [ON]/[OFF] | Allows you to select whether each part to be ordered is placed automatically or not. |
|------------|--|

(27) Press the [OK] button to register the setting of toner order.

(28) The TONER ORDERING screen is displayed.

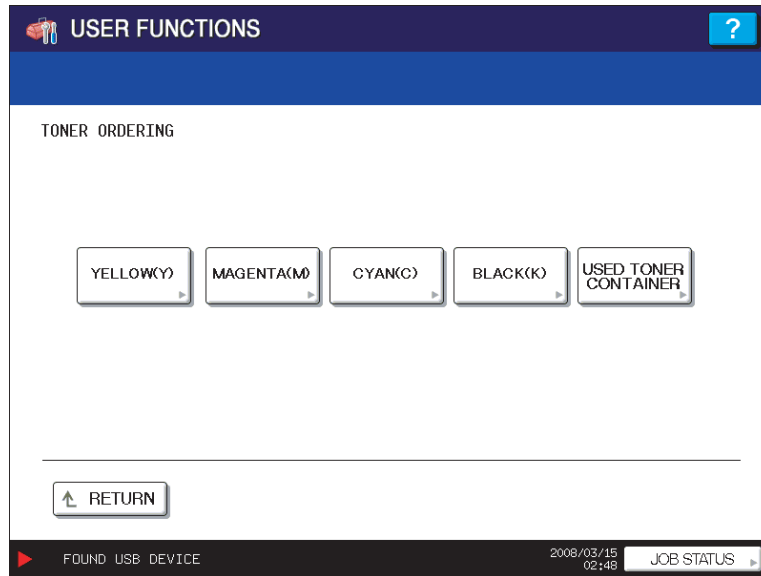


Fig.10-13

(29) Press the [MAGENTA(M)] / [CYAN(C)] / [BLACK(K)] / [USED TONER CONTAINER] button, and then input the order information in the same way.

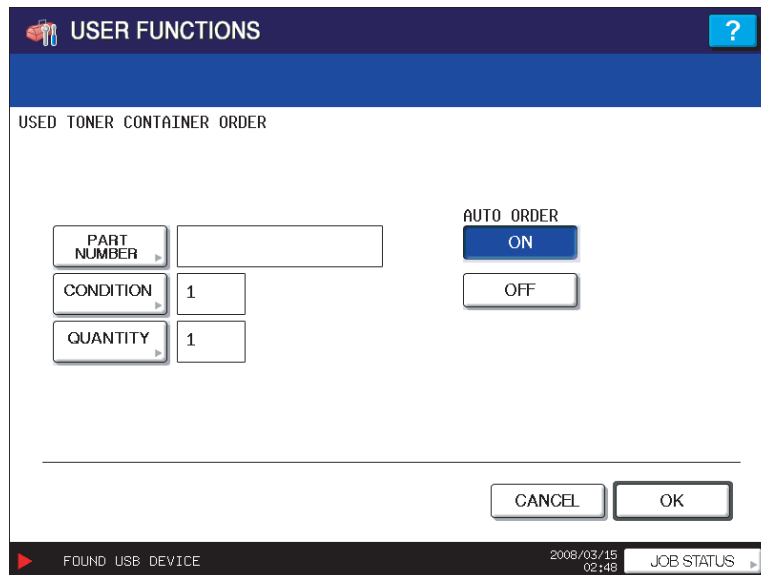


Fig.10-14

(30) Press the [OK] button to register the order information.

(31) The screen returns to the TONER ORDERING.

(32) Press the [USER FUNCTION] button to be switched from the ADMIN screen on touch panel and returned to the BASIC screen, so that the setting of Auto Supply Order is finished.

Remarks:

Auto Supply Order setting is also available from the following setting mode (08).

Items	08 code	Contents
The transmitting way of order [FAX]/[MAIL] /[OFF]	9750	0: Ordered by FAX 1: Ordered by E-mail 2: Ordered by HTTP 3: OFF
SUPPLIER [FAX NUMBER]	9751	Maximum 32 digits
SUPPLIER [E-MAIL]	9752	Maximum 192 letters
CUSTOMER [NAME]	9756	Maximum 50 letters
CUSTOMER [TEL NUMBER]	9757	Maximum 32 digits
CUSTOMER [E-MAIL]	9758	Maximum 192 letters
CUSTOMER [ADDRESS]	9759	Maximum 100 letters
SUPPLIER [NAME]	9764	Maximum 50 letters
SUPPLIER [ADDRESS]	9765	Maximum 100 letters
SERVICE TECHNICIAN [NUMBER]	9760	Maximum 5 digits
SERVICE TECHNICIAN [NAME]	9761	Maximum 50 letters
SERVICE TECHNICIAN [TEL NUMBER]	9762	Maximum 32 digits
SERVICE TECHNICIAN [E-MAIL]	9763	Maximum 192 letters
Remarks [DESCRIPTION]	9766	Maximum 128 letters
YELLOW(Y) TONER [PART NUMBER]	9773	Maximum 20 digits
YELLOW(Y) TONER [CONDITION]	9775	1-99
YELLOW(Y) TONER [QUANTITY]	9774	1-99
MAGENTA(M) TONER [PART NUMBER]	9770	Maximum 20 digits
MAGENTA(M) TONER [CONDITION]	9772	1-99
MAGENTA(M) TONER [QUANTITY]	9771	1-99
CYAN(C) TONER [PART NUMBER]	9767	Maximum 20 digits
CYAN(C) TONER [CONDITION]	9769	1-99
CYAN(C) TONER [QUANTITY]	9768	1-99
BLACK(K) TONER [PART NUMBER]	9776	Maximum 20 digits
BLACK(K) TONER [CONDITION]	9778	1-99
BLACK(K) TONER [QUANTITY]	9777	1-99

Items	08 code	Contents
USED TONER CONTAINER [PART NUMBER]	9779	Maximum 20 digits
USED TONER CONTAINER [CONDITION]	9781	1-99
USED TONER CONTAINER [QUANTITY]	9780	1-99

10.1.4 Order Sheet Format

The sample of order sheet is as follows.

(1) FAX (This format is the same as that of TIFF image attached E-mail.)

*1 Part not to be ordered is not output. (Less space between the lines)

DATE & TIME	:99-99-'99 99:99
CUSTOMER NUMBER	:XXX
CUSTOMER NAME	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER ADDRESS	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER TEL NUMBER	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER E-MAIL ADDRESS	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERVICE TECHNICIAN TEL NUMBER	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERVICE TECHNICIAN E-MAIL	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUPPLIER NAME	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUPPLIER ADDRESS	:XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

	PART NUMBER	QUANTITY
TONER CARTRIDGE		
CYAN	:XXXXXXXXXXXX	99
MAGENTA	:XXXXXXXXXXXX	99
YELLOW	:XXXXXXXXXXXX	99
BLACK	:XXXXXXXXXXXX	99
USED TONER CONTAINER	:XXXXXXXXXXXX	99

} (*1)

DESCRIPTION AREA

.....

DEVICE DESCRIPTION	:XXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERIAL NUMBER	:XXXXXXXXXXXXXXXXXXXXXXXXXXXX
DEVICE FAX NUMBER	:XXXXXXXXXXXXXXXXXXXXXXXXXXXX
DEVICE E-MAIL ADDRESS	:XXXXXXXXXXXXXXXXXXXXXXXXXXXX

	TOTAL	BLACK	TWIN COLOR	FULL COLOR
PRINT COUNTER	999999999	999999999	999999999	999999999
SCAN COUNTER	999999999	999999999	999999999	999999999

Fig.10-15

DESCRIPTION AREA: Remarks
 DEVICE DESCRIPTION: Model name
 SERIAL NUMBER: Serial number
 DEVICE FAX NUMBER: Fax number
 DEVICE E-MAIL ADDRESS: E-mail address

(2) E-MAIL (TIFF image attached with the E-mail is the same format with that of the FAX order sheet.)

SUBJECT: SUPPLY ORDER REQUEST

*1 Part not to be ordered is not output. (Less space between the lines)

```
Date&Time: '08-05-21 00:17
Customer Number: a1 MachineName: TOSHIBA e-STUDIO6520C
SerialNumber: 1234567890
Device FAX Number: 456
Device Email: aaa@linux.nam1.local
OrderInformation:
CYAN PartNumber: CYAN-01 Quantity: 15
MAGENTA PartNumber: MAGENTA-02 Quantity: 16 } (*1)
BLACK PartNumber: BLACK-04 Quantity: 18
CounterInformation:
PrintCounter(Small) FullColor: 0 TwinColor: 0 Black: 150
PrintCounter(Large) FullColor: 0 TwinColor: 0 Black: 0
ScanCounter FullColor: 0 TwinColor: 0 Black: 7
```

Fig.10-16

Date&Time:	Order date and time
Customer Number:	Customer number
MachineName:	Model name (MFP model name)
SerialNumber:	Serial number
Device FAX Number:	Fax number
Device Email:	E-mail address
OrderInformation:	Order information
CYAN PartNumber:	Cyan toner cartridge part number
MAGENTA PartNumber:	Magenta toner cartridge part number
BLACK PartNumber:	Black toner cartridge part number
Quantity:	Order quantity
CounterInformation:	Counter information
PrintCounter (Small) FullColor: 0 TwinColor: 0 Black:	Print count (Small size) for Full color, Twin color and Black
PrintCounter (Large) FullColor: 0 TwinColor: 0 Black:	Print count (Large size) for Full color, Twin color and Black
ScanCounter FullColor: 0 TwinColor: 0 Black:	Scan count
	Scan count for Full color, Twin color and Black

(3) Result list

*1 Part not to be ordered is not output. (Less space between the lines)

```

ORDER XXXXXXXXX
DATE & TIME           :99-99-'99 99:99
CUSTOMER NUMBER      :XXX
CUSTOMER NAME        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER ADDRESS     :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER TEL NUMBER  :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CUSTOMER E-MAIL ADDRESS :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERVICE TECHNICIAN
TEL NUMBER           :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERVICE TECHNICIAN E-MAIL :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUPPLIER NAME        :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
SUPPLIER ADDRESS     :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
-----
TONER CARTRIDGE      PART NUMBER      QUANTITY
CYAN                  :XXXXXXXXXXXXX      99
MAGENTA               :XXXXXXXXXXXXX      99
YELLOW                :XXXXXXXXXXXXX      99 (*1)
BLACK                 :XXXXXXXXXXXXX      99
USED TONER CONTAINER :XXXXXXXXXXXXX      99
-----
DESCRIPTION AREA .....
.....
DEVICE DESCRIPTION    :XXXXXXXXXXXXXXXXXXXXXXXXXXXX
SERIAL NUMBER         :XXXXXXXXXXXXXXXXXXXXXXXXXXXX
DEVICE FAX NUMBER     :XXXXXXXXXXXXXXXXXXXXXXXXXXXX
DEVICE E-MAIL ADDRESS :XXXXXXXXXXXXXXXXXXXXXXXXXXXX
-----
PRINT COUNTER    TOTAL      BLACK      TWIN COLOR      FULL COLOR
999999999      999999999  999999999  999999999      999999999
SCAN COUNTER    999999999  999999999  999999999      999999999

```

Fig.10-17

ORDER SUCCESSFUL/FAILURE:	Automatic supply ordering: transmission success or failure
DATE & TIME:	Order date and time
CUSTOMER NUMBER:	Customer number
CUSTOMER NAME:	Customer name
CUSTOMER ADDRESS:	Customer address
CUSTOMER TEL NUMBER:	Customer telephone number
CUSTOMER E-MAIL ADDRESS:	Customer E-mail address
SERVICE TECHNICIAN TEL NUMBER:	Service technician telephone number
SERVICE TECHNICIAN E-MAIL:	Service technician E-mail address
SUPPLIER NAME:	Supplier name
SUPPLIER ADDRESS:	Supplier address
PART NUMBER:	Order part number
QUANTITY:	Order quantity
TONER CARTRIDGE:	Toner cartridge
	CYAN: Cyan
	MAGENTA: Magenta
	YELLOW: Yellow
	BLACK: Black

USED TONER CONTAINER:	Used toner container (waste toner box)
DESCRIPTION AREA:	Remarks
DEVICE DESCRIPTION:	Model name (MFP model name)
SERIAL NUMBER:	Serial number
DEVICE FAX NUMBER:	Fax number
DEVICE E-MAIL ADDRESS:	E-mail address
PRINT COUNTER:	Print count
SCAN COUNTER:	Scan count
TOTAL:	Total
BLACK:	Black
TWIN COLOR:	Twin color
FULL COLOR:	Full color

10.2 Service Notification

10.2.1 Outline

This function automatically notifies the status of the equipment to the service technician by E-mail or FAX. The following three are the items to be notified.

- Total counter notification
When this function is effective, it notifies each counter information periodically (on the set date and time every month).
- Service call notification (E-mail only)
When this function is effective, it notifies the corresponding error code and such at a service call error.
- PM counter notification
When this function is effective, it notifies that the PM timing has come when the present PM count has reached to its setting value, or the present PM driving count has reached to its setting value.
- Toner near empty notification
When this function is effective, it notifies each counter information and toner cartridge information if toner near empty occurs.

10.2.2 Setting

Notes:

When using this function, it is required that sending and receiving E-mails or FAXes are available. Confirm the details to the administrator.

[1] Preparation

The screen to set this function is not displayed at the default setting.
Set this screen to be displayed with the following code (08).

08-9604 Setting of notification display
0: Invalid (Default)
1: Valid

[2] Setting procedure

- (1) Press the [USER FUNCTIONS] button to enter the user function screen.
- (2) Press the [ADMIN] tab.
 - When the Administrator Password has been set, ADMINISTRATOR PASSWORD screen is displayed.

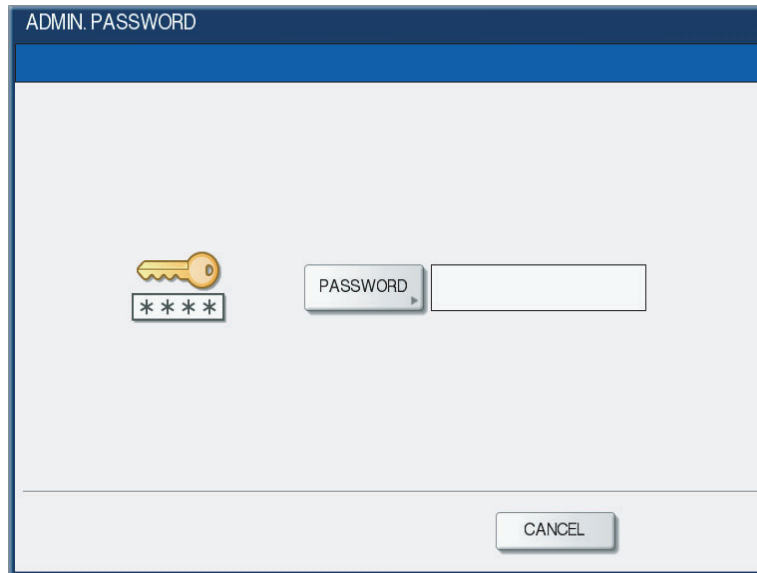


Fig.10-18

- (3) Press the [PASSWORD] button and the screen is switched to a full keyboard. Then key in the Administrator Password and press the [OK] button.
 - * Confirm the password to the administrator.

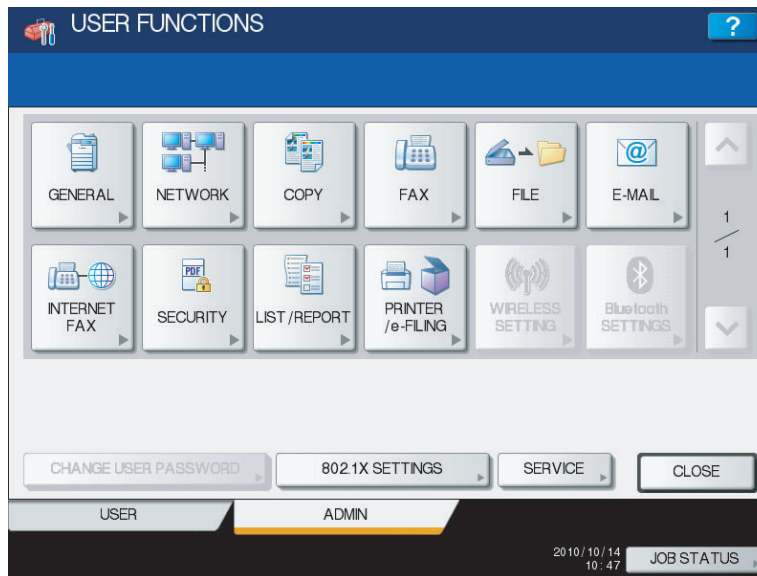


Fig.10-19

- (4) Press the [SERVICE] button in the ADMIN screen.

(5) The SERVICE screen is displayed.

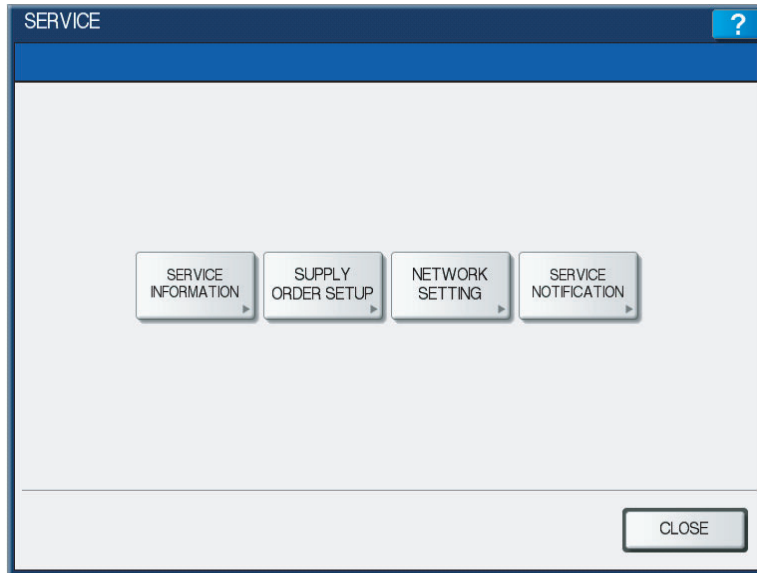


Fig.10-20

(6) Press the [SERVICE NOTIFICATION] button.

(7) The SERVICE NOTIFICATION screen is displayed.

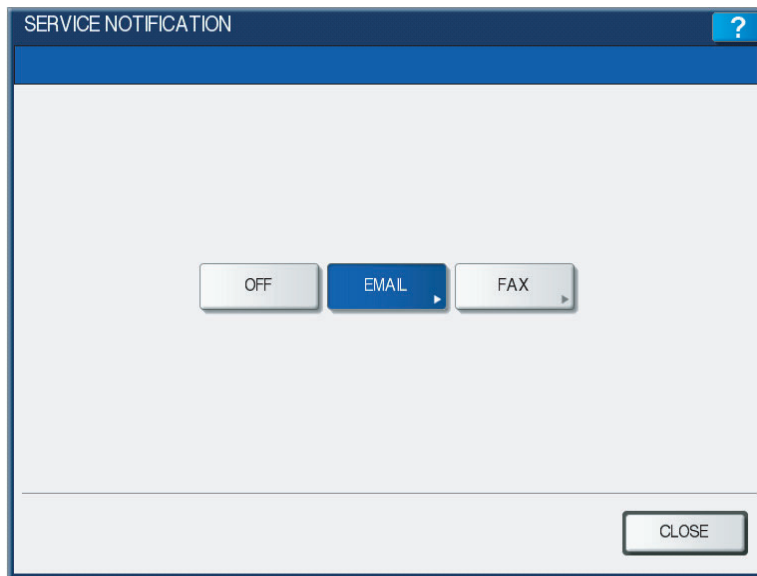


Fig.10-21

(8) Press the [E-MAIL] or [FAX] button.

* When the [OFF] button is pressed, all functions related Service Notification become ineffective.

- (9) Enter the E-mail address or FAX number of the destination.
- When pressing the [E-MAIL] button, the screen is switched to a full keyboard. Then enter the E-mail addresses and press the [OK] button. (Maximum 3 addresses can be set.)

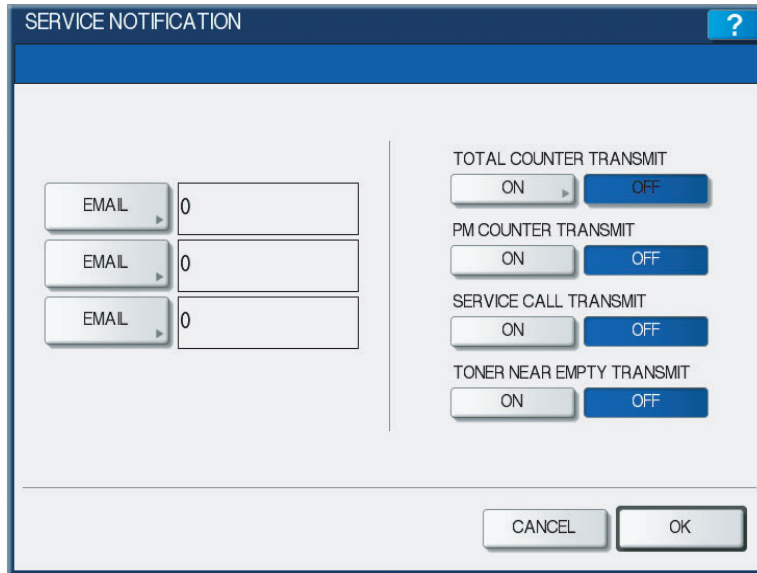


Fig.10-22

- Press the [FAX NUMBER] button, key in the FAX number and then press the [OK] button.

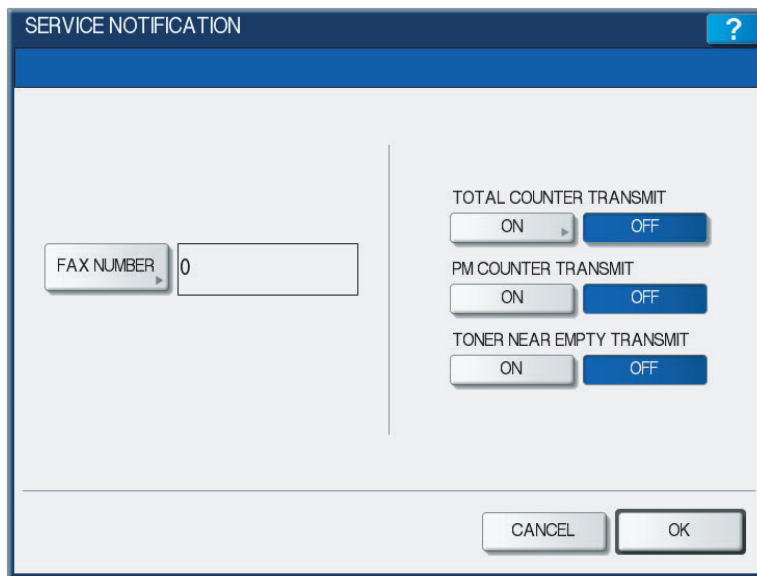


Fig.10-23

- (10) Press the [ON] button to notify or the [OFF] button not to notify each item for E-mail and FAX. When Total Count Transmit is set to ON, the screen to set the notification date is displayed. Then set the notification date with the following procedure.

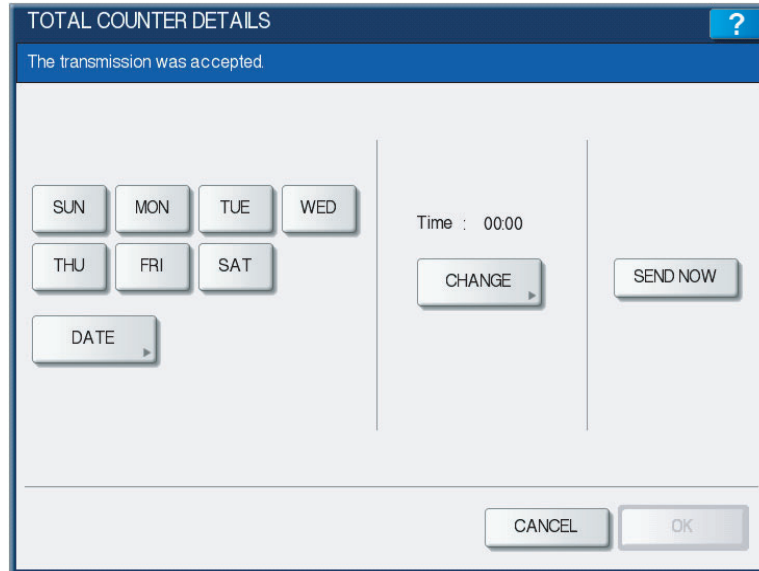


Fig.10-24

Set the date and time of the Total Counter.

The following 3 items can be specified for the date setting, and more than one day of the week also can be selected.

- Day of the week (More than one day can be selected.)
- Notify Date 1
- Notify Date 2

You can send the Total Counter immediately without the above settings by pressing the [SEND NOW] button.

- **Day of the week ([SUN] to [SAT] buttons)**

Pressing the buttons ([SUN] to [SAT]) of the desired day makes transmission on every specified day. More than one day can be selected.

* This does not affect the settings of "Notify Date 1" and "Notify Date 2".

- **Notify Date 1 and Notify Date 2 ([DATE] button)**

Pressing the [DATE] button sets up to 2 dates on which you want to send data.

* This is not affected by the specified day of the week.

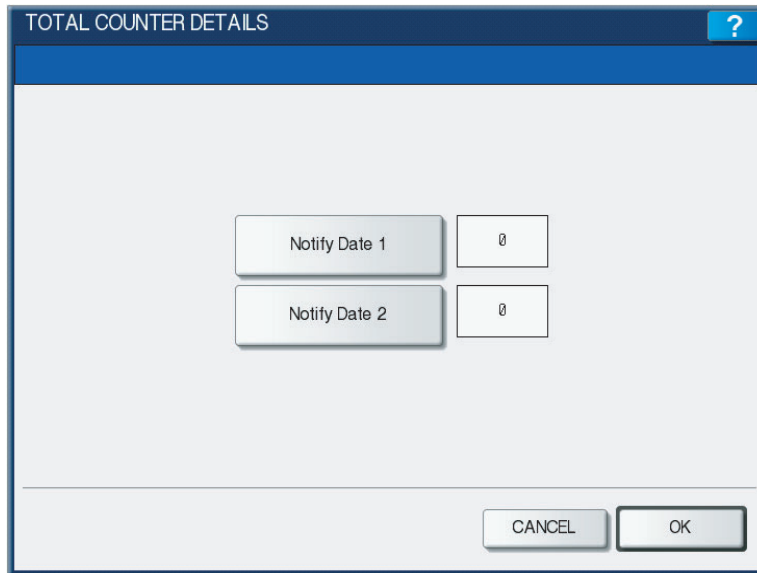


Fig.10-25

Key in the date (acceptable values: 0-31) in “Notify Date 1” or “Notify Date 2” and press the [OK] button.

- **Time setting ([CHANGE] button)**

Pressing the [CHANGE] button sets the time at which you want to send data.

This is the time when data are sent with “Day of the week”, “Notify Date 1” and “Notify Date 2”.

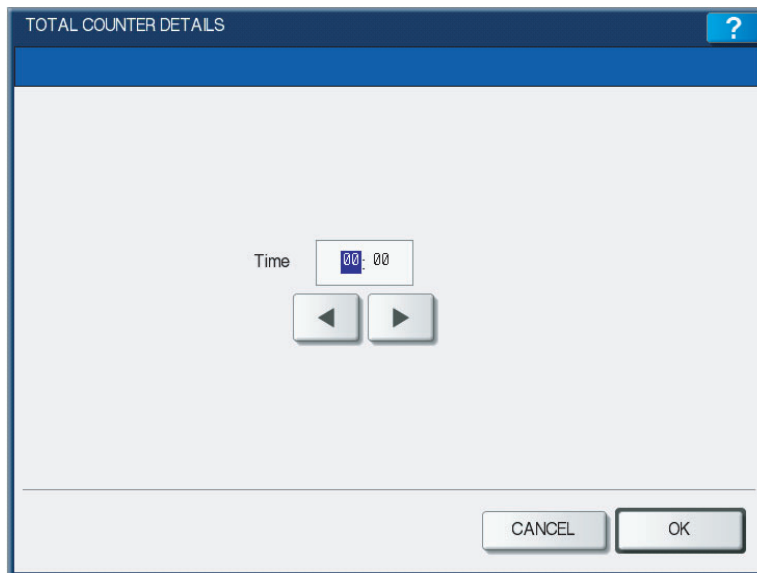


Fig.10-26

Key in the time (acceptable values: 00:00-23:59) in “Time”.

Key in the time in the hour column of “Time”, press the scroll button, key in the time in the minute column of “Time”.

After all the settings are completed, press the [OK] button. The display returns to the screen in step (5).

(11) Press the [OK] button. The setting completes.

Notes:

Service Notification setting is also available from the following setting mode (08).

Items	08 code	Contents
Service Notification setting	9793	0: OFF (Invalid) 1:E-mail 2:FAX
E-mail address 1	9794	Maximum 192 letters
E-mail address 2	9607	Maximum 192 letters
E-mail address 3	9608	Maximum 192 letters
FAX number	9784	Maximum 32 digits
Total Counter Transmit setting	9795	0: OFF (Invalid) 1: ON (Valid)
Total counter transmission date setting	9796	0 to 31
Total counter transmission date setting(2)	9880	0 to 31
Day of total counter data transmission	9881	1 byte 00000000(0)-01111111(127) From the 2nd bit - Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday
Total counter transmission interval setting (Hour/Hour/Minute/Minute)	9606	00:00-23:59
Service Call Transmit setting	9605	0: OFF (Invalid) 1: ON (Valid)
PM Counter Transmit setting	9797	0: OFF (Invalid) 1: ON (Valid)

10.2.3 Items to be notified

The items to be notified are shown below.

1. Total Counter Notification / PM Counter Notification by E-mail

Subject: Counter Notification

(In case of the PM Counter Transmit, it is shown as "Periodical Maintenance Notification".)

①	Date	: 05/21/2008 12:34
②	Machine Model	: TOSHIBA e-STUDIO6520C
③	SerialNumber	: 1234567890
④	Total Counter	: 00004787
⑤	Supplier:	
	Name	: SUPPLIER_NAME
	Tel Number	: 1122334455
	E-Mail	: Supplier_emailaddress@cccc.xxx
	Address	: SUPPLIER_ADDRESS
⑥	Customer:	
	Name	: CUSTOMER_NAME
	Tel Number	: 1234567890
	E-Mail	: customer_emailaddress@dddd.xxx
	Address	: CUSTOMER_ADDRESS
⑦	Service Technician:	
	Number	: svc12
	Name	: SERVICE_TECHNICIAN_NAME
	Tel Number	: 0987654321
	E-Mail	: svc@toshibatec.co.jp
	ChargeCounterFormat:	
⑧	LargeSizeChargeCount	1
⑨	LargeSizeChargePaperDefinition	1
	PMCounterFormat:	
⑩	LargeSizePMCount	1
⑪	LargeSizePMPaperDefinition	0
	Charge Counter:	
		Large Small
	<Print Counter>	
	Full Color -----	
⑫	Copy	00000000 00000000
⑬	Print	00000000 00000000
	Twin Color -----	
⑭	Copy	00000000 00000000
	Black -----	
⑮	Copy	00000000 00000000
⑯	Print	00000000 00000000
⑰	List	00000000 00000000
⑱	FAX	00000000 00000000
	<Scan Counter>	
	Full Color -----	
⑲	Copy Scan	00000000 00000000
⑳	Net Scan	00000000 00000000
	Twin Color -----	
㉑	Copy Scan	00000000 00000000
	Black -----	
㉒	Copy Scan	00000000 00000000
㉓	FAX Scan	00000000 00000000
㉔	Net Scan	00000000 00000000
	<FAX Counter>	
㉕	Transmit	00000000 00000000
㉖	Receive	00000000 00000000

Fig.10-27

Periodical Maintenance Counter:			
		Pages	Drive Counts
②⑦	K-EPU		
	Setting	00000000	00000000
②⑧	Current	00000000	00000000
②⑨	Y-EPU		
	Setting	00000000	00000000
③①	Current	00000000	00000000
③②	M-EPU		
	Setting	00000000	00000000
	Current	00000000	00000000
③③	C-EPU		
	Setting	00000000	00000000
③④	Current	00000000	00000000
	Others		
③⑤	Setting	00000000	00000000
③⑥	Current	00000000	00000000
③⑦	Printer Error History:		
	Date	Time	ErrorCode Counter
	04/13/2008	16:44	F110 00000000
	04/12/2008	22:28	F110 00000000
	04/12/2008	22:23	F110 00000000
	03/15/2008	22:23	F110 00000000
	02/25/2008	11:12	F110 00000000

Fig.10-28

- ① Date
- ② Machine model name
- ③ Serial number
- ④ Total counter value
- ⑤ Supplier information
- ⑥ Customer information
- ⑦ Service technician information
- ⑧ Count setting of large-sized paper (Fee charging system counter)
- ⑨ Definition setting of large-sized paper (Fee charging system counter)
- ⑩ Count setting of large-sized paper (PM)
- ⑪ Definition setting of large-sized paper (PM)
- ⑫ Number of output pages in the Copier Function (FULL COLOR)
- ⑬ Number of output pages in the Printer Function (FULL COLOR)
- ⑭ Number of output pages in the Copier Function (TWIN COLOR)
- ⑮ Number of output pages in the Copier Function (BLACK)
- ⑯ Number of output pages in the Printer Function (BLACK)
- ⑰ Number of output pages at the List Print Mode (BLACK)
- ⑱ Number of output pages in the FAX Function (BLACK)

- ⑲ Number of scanning pages in the Copier Function (FULL COLOR)
- ⑳ Number of scanning pages in the Network Scanning Function (FULL COLOR)
- ㉑ Number of scanning pages in the Copier Function (TWIN COLOR)
- ㉒ Number of scanning pages in the Copier Function (BLACK)
- ㉓ Number of scanning pages in the FAX Function (BLACK)
- ㉔ Number of scanning pages in the Network Scanning Function (BLACK)
- ㉕ Number of transmitted pages in the FAX Function (BLACK)
- ㉖ Number of received pages in the FAX Function (BLACK)
- ㉗ PM count setting value / PM driving count setting value [EPU (K)]
- ㉘ PM count present value / PM driving count present value [EPU (K)]
- ㉙ PM count setting value / PM driving count setting value [EPU (Y)]
- ㉚ PM count present value / PM driving count present value [EPU (Y)]
- ㉛ PM count setting value / PM driving count setting value [EPU (M)]
- ㉜ PM count present value / PM driving count present value [EPU (M)]
- ㉝ PM count setting value / PM driving count setting value [EPU (C)]
- ㉞ PM count present value / PM driving count present value [EPU (C)]
- ㉟ PM count setting value / PM driving count setting value (Other parts)
- ㊱ PM count present value / PM driving count present value (Other parts)
- ㊲ History error

*1 The latest 20 errors are displayed.

2. Total Counter Notification / PM Counter Notification by FAX

*1 In case of the PM Counter Transmit, the title is replaced to "PERIODICAL MAINTENANCE NOTIFICATION".

Sheet 1

COUNTER NOTIFICATION (*1)	
①	DATE : 08/05/21 13:47
②	MACHINE MODEL : TOSHIBA e-STUDIO6520C
③	SERIAL NUMBER : 1234567890
④	TOTAL COUNTER : 00004787
⑤	CUSTOMER NAME : CUSTOMER_NAME
	CUSTOMER ADDRESS : CUSTOMER_ADDRESS
	CUSTOMER TEL NUMBER : 1234567890
	CUSTOMER E-MAIL ADDRESS : customer_emailaddress@ddd.xxx
⑥	SERVICE TECHNICIAN NUMBER : svc12
	SERVICE TECHNICIAN NAME : SERVICE_TECHNICIAN_NAME
	SERVICE TECHNICIAN TEL NUMBER : 0987654321
	SERVICE TECHNICIAN E-MAIL : svc@toshibatec.co.jp
⑦	SUPPLIER NAME : SUPPLIER_NAME
	SUPPLIER ADDRESS : SUPPLIER_ADDRESS
	SUPPLIER FAX NUMBER : 5544332211
	SUPPLIER E-MAIL : supplier_emailaddress@cccc.xxx

Fig.10-29

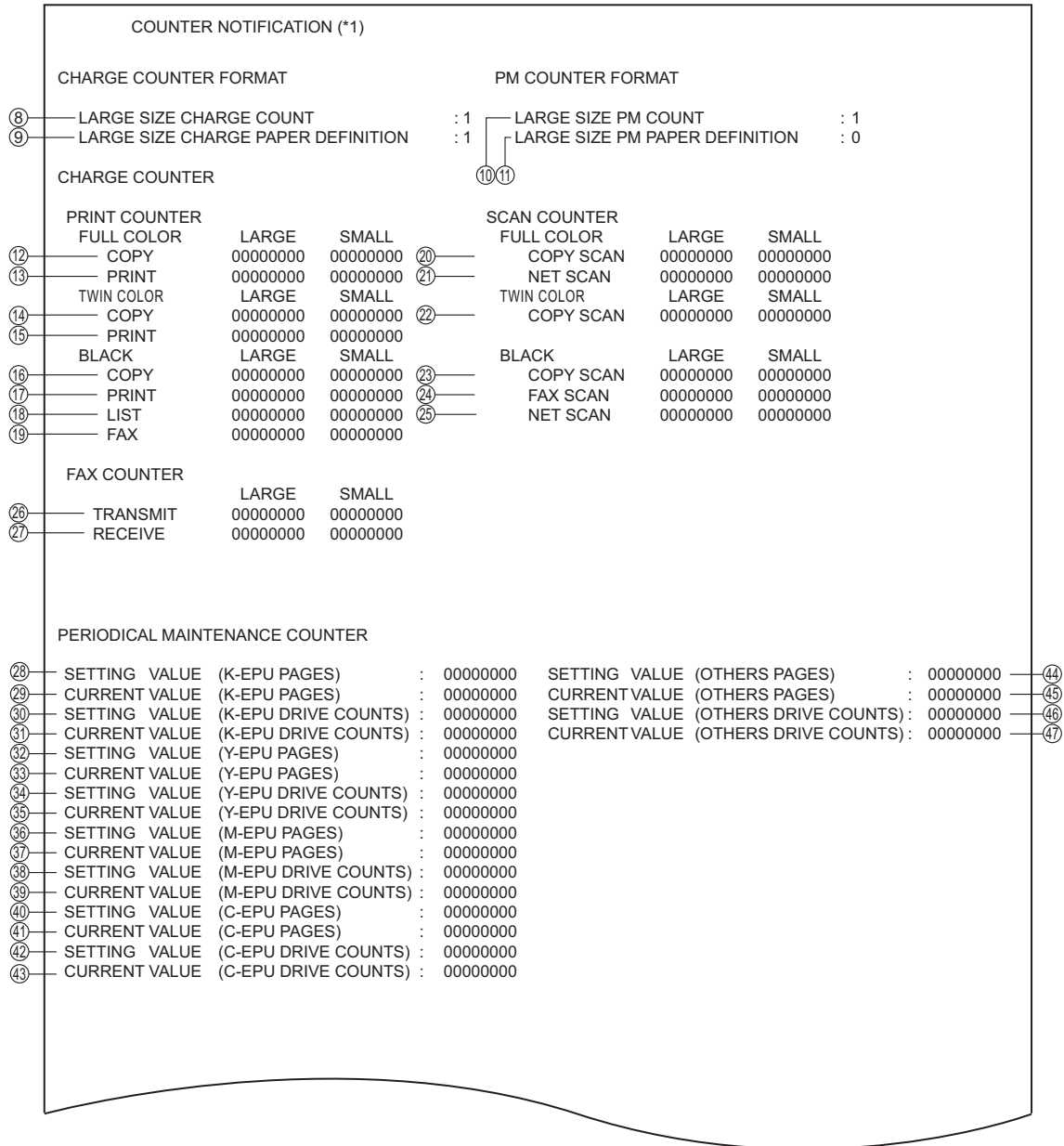


Fig.10-30

COUNTER NOTIFICATION (*1)

④8 PRINTER ERROR HISTORY

DATE	TIME	ERROR CODE	COUNTER	DATE	TIME	ERROR CODE	COUNTER
08/04/13	16:44	F110	00000000	08/04/13	16:44	F110	00000000
08/04/12	22:28	F110	00000000	08/04/13	16:44	F110	00000000
08/04/12	22:23	F110	00000000	08/04/13	16:44	F110	00000000
08/03/15	22:23	F110	00000000	08/04/13	16:44	F110	00000000
08/02/25	11:12	F110	00000000	08/04/13	16:44	F110	00000000

(*2)

Fig.10-31

- ① Date
- ② Machine model name
- ③ Serial number
- ④ Total counter value
- ⑤ Customer information
- ⑥ Service technician information
- ⑦ Supplier information
- ⑧ Count setting of large-sized paper (Fee charging system counter)
- ⑨ Definition setting of large-sized paper (Fee charging system counter)
- ⑩ Count setting of large-sized paper (PM)
- ⑪ Definition setting of large-sized paper (PM)
- ⑫ Number of output pages in the Copier Function (FULL COLOR)
- ⑬ Number of output pages in the Printer Function (FULL COLOR)
- ⑭ Number of output pages in the Copier Function (TWIN COLOR)
- ⑮ Number of output pages in the Printer Function (TWIN COLOR)
- ⑯ Number of output pages in the Copier Function (BLACK)
- ⑰ Number of output pages in the Printer Function (BLACK)
- ⑱ Number of output pages at the List Print Mode (BLACK)
- ⑲ Number of output pages in the FAX Function (BLACK)

- ⑳ Number of scanning pages in the Copier Function (FULL COLOR)
- ㉑ Number of scanning pages in the Network Scanning Function (FULL COLOR)
- ㉒ Number of scanning pages in the Copier Function (TWIN COLOR)
- ㉓ Number of scanning pages in the Copier Function (BLACK)
- ㉔ Number of scanning pages in the FAX Function (BLACK)
- ㉕ Number of scanning pages in the Network Scanning Function (BLACK)
- ㉖ Number of transmitted pages in the FAX Function (BLACK)
- ㉗ Number of received pages in the FAX Function (BLACK)
- ㉘ PM count setting value [EPU (K)]
- ㉙ PM count present value [EPU (K)]
- ㉚ PM driving count setting value [EPU (K)]
- ㉛ PM driving count present value [EPU (K)]
- ㉜ PM count setting value [EPU (Y)]
- ㉝ PM count present value [EPU (Y)]
- ㉞ PM driving count setting value [EPU (Y)]
- ㉟ PM driving count present value [EPU (Y)]
- ㊱ PM count setting value [EPU (M)]
- ㊲ PM count present value [EPU (M)]
- ㊳ PM driving count setting value [EPU (M)]
- ㊴ PM driving count present value [EPU (M)]
- ㊵ PM count setting value [EPU (C)]
- ㊶ PM count present value [EPU (C)]
- ㊷ PM driving count setting value [EPU (C)]
- ㊸ PM driving count present value [EPU (C)]
- ㊹ PM count setting value (Other parts)
- ㊺ PM driving count present value (Other parts)
- ㊻ PM driving count setting value (Other parts)
- ㊼ PM driving count present value (Other parts)
- ㊽ History of error

*2 The latest 20 errors are displayed.

3. Toner near-empty notification by e-mail Subject: Toner Near-Empty Notification

```

1  Date       : 04/26/2008 12:34
2  Machine Model : TOSHIBA e-STUDIO655
3  SerialNumber : 1234567890
4  Total Counter : 00004787
5  Supplier:
   Name       : SUPPLIER_NAME
   Fax Number : 1122334455
   E-Mail     : Supplier_emailaddress@cccc.xxx
   Address    : SUPPLIER_ADDRESS
6  Customer:
   Name       : CUSTOMER_NAME
   Tel Number : 1234567890
   E-Mail     : customer_emailaddress@dddd.xxx
   Address    : CUSTOMER_ADDRESS
7  Service Technician:
   Number     : svc12
   Name       : SERVICE_TECHNICIAN_NAME
   Tel Number : 0987654321
   E-Mail     : svc@toshibatec.co.jp
   ChargeCounterFormat:
8  LargeSizeChargeCount      1
9  LargeSizeChargePaperDefinition  1
   PMCounterFormat:
10 LargeSizePMCount          1
11 LargeSizePMPaperDefinition  0
   Charge Counter:
   <Print Counter>
   Black -----
12 Copy      00000000  00000000
13 Print     00000000  00000000
14 List      00000000  00000000
15 FAX       00000000  00000000
   <Scan Counter>
   Full Color -----
16 Net Scan  00000000  00000000
   Black -----
17 Copy Scan 00000000  00000000
18 FAX Scan  00000000  00000000
19 Net Scan  00000000  00000000
   <FAX Counter>
20 Transmit 00000000  00000000
21 Receive  00000000  00000000

```

Fig.10-32

Periodical Maintenance Counter:				
		Pages	Drive Counts	
22	K-EPU			
	Setting	00000000	00000000	
23	Current	00000000	00000000	
24	K-EPU			
	Setting	00000000	00000000	
25	Current	00000000	00000000	
26	Others			
	Setting	00000000	00000000	
27	Current	00000000	00000000	
28	Printer Error History:			
	Date	Time	ErrorCode	Counter
	04/13/2008	16:44	F110	00000000
	04/12/2008	22:28	F110	00000000
	04/12/2008	22:23	F110	00000000
	03/15/2008	22:23	F110	00000000
	02/25/2008	11:12	F110	00000000
				(*1)
29	Toner Cartridge Information:			
30	Toner Near-Empty Counter			
31	Setting		00000000	
32	Current		00000000	
33	Color code		1	
34	Point Of Destination		0	

Fig.10-33

1. Date
2. Machine model name
3. Serial number
4. Total counter value
5. Supplier information
6. Customer information
7. Service technician information
8. Count setting of large-sized paper (Fee charging system counter)
9. Definition setting of large-sized paper (Fee charging system counter)
10. Count setting of large-sized paper (PM)
11. Definition setting of large-sized paper (PM)
12. Number of output pages in the Copier Function (BLACK)
13. Number of output pages in the Printer Function (BLACK)
14. Number of output pages at the List Print Mode (BLACK)
15. Number of output pages in the FAX Function (BLACK)
16. Number of scanning pages in the Network Scanning Function (Full color)
17. Number of scanning pages in the Copier Function (BLACK)
18. Number of scanning pages in the FAX Function (BLACK)
19. Number of scanning pages in the Network Scanning Function (BLACK)
20. Number of transmitted pages in the FAX Function (BLACK)

21. Number of received pages in the FAX Function (BLACK)
22. PM count setting value / PM driving count setting value [EPU (K)]
23. PM count present value / PM driving count present value [EPU (K)]
24. PM count setting value / PM driving count setting value [Developer material (K)]
25. PM count present value / PM driving count present value [Developer material (K)]
26. PM count setting value / PM driving count setting value [Other parts]
27. PM count present value / PM driving count present value [Other parts]
28. History error
29. Toner cartridge information
30. Toner near-empty counter
31. Setting value of toner cartridge rotation time counter
32. Current value of toner cartridge rotation time counter
33. Color of toner cartridge
 - 1: Black
 - 2: Yellow
 - 3: Magenta
 - 4: Cyan
34. Destination setting of toner cartridge
 - *1. The latest 20 errors are displayed.

4. Toner near-empty notification by FAX

Sheet 1

TONER NEAR-EMPTY NOTIFICATION (*1)	
1	DATE : 08/04/14 13:47
2	MACHINE MODEL : TOSHIBA e-STUDIO655
3	SERIAL NUMBER : 1234567890
4	TOTAL COUNTER : 00004787
[
5	CUSTOMER NAME : CUSTOMER_NAME
	CUSTOMER ADDRESS : CUSTOMER_ADDRESS
	CUSTOMER TEL NUMBER : 1234567890
	CUSTOMER E-MAIL ADDRESS : customer_emailaddress@dddd.xxx
[
6	SERVICE TECHNICIAN NUMBER : svc12
	SERVICE TECHNICIAN NAME : SERVICE_TECHNICIAN_NAME
	SERVICE TECHNICIAN TEL NUMBER : 0987654321
	SERVICE TECHNICIAN E-MAIL : svc@toshibatec.co.jp
[
7	SUPPLIER NAME : SUPPLIER_NAME
	SUPPLIER ADDRESS : SUPPLIER_ADDRESS
	SUPPLIER FAX NUMBER : 5544332211
	SUPPLIER E-MAIL : supplier_emailaddress@ccccc.xxx

Fig.10-34

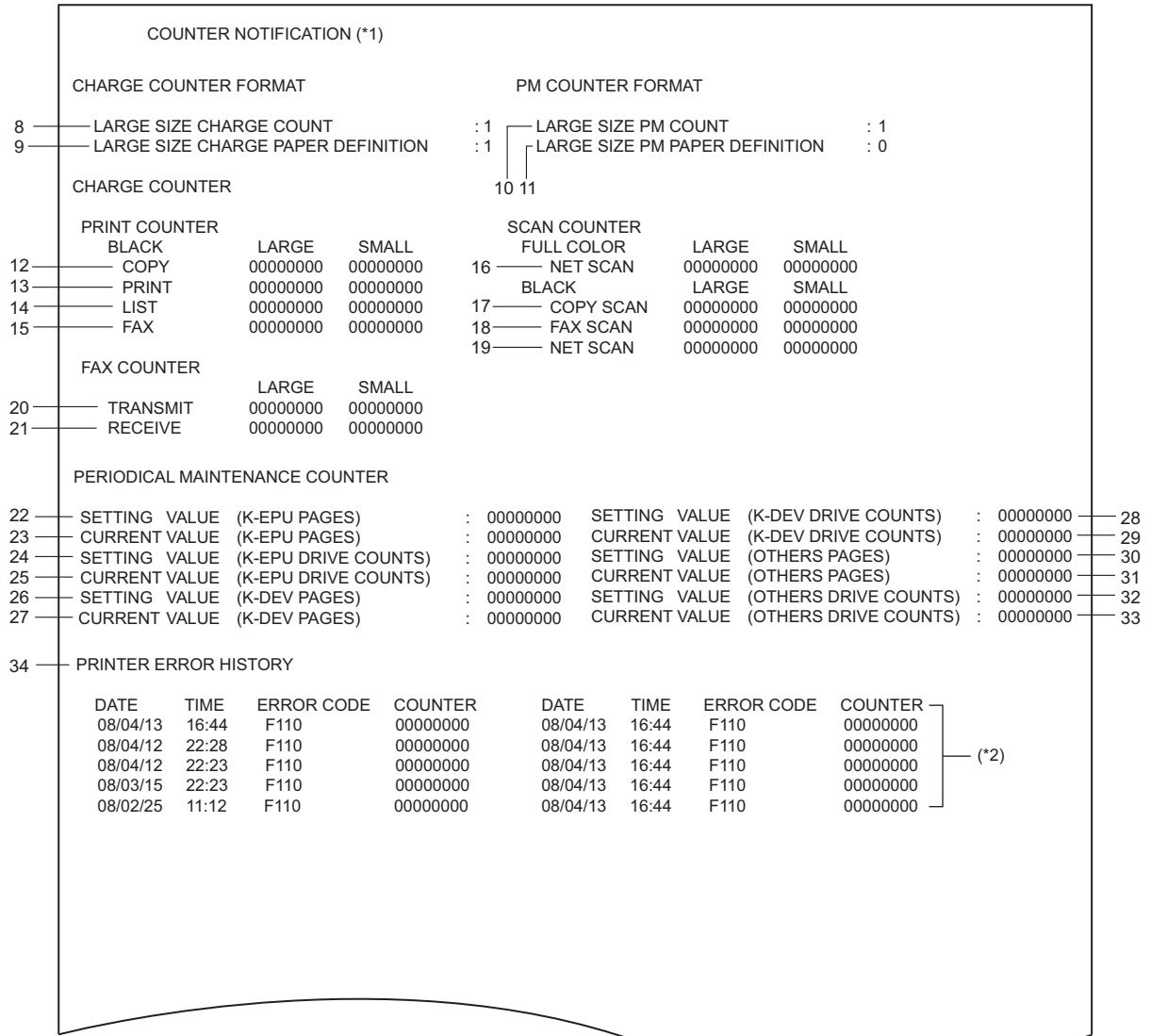


Fig.10-35

COUNTER NOTIFICATION (*1)		
35	Toner Cartridge Information:	
36	Toner Near-Empty Counter	
37	Setting	00000000
38	Current	00000000
39	Color code	1
40	Point Of Destination	0

Fig.10-36

1. Date
2. Machine model name
3. Serial number
4. Total counter value
5. Customer information
6. Service technician information
7. Supplier information
8. Count setting of large-sized paper (Fee charging system counter)
9. Definition setting of large-sized paper (Fee charging system counter)
10. Count setting of large-sized paper (PM)
11. Definition setting of large-sized paper (PM)
12. Number of output pages in the Copier Function (BLACK)
13. Number of output pages in the Printer Function (BLACK)
14. Number of output pages at the List Print Mode (BLACK)
15. Number of output pages in the FAX Function (BLACK)
16. Number of scanning pages in the Network Scanning Function (Full color)
17. Number of scanning pages in the Copier Function (BLACK)
18. Number of scanning pages in the FAX Function (BLACK)
19. Number of scanning pages in the Network Scanning Function (BLACK)
20. Number of transmitted pages in the FAX Function (BLACK)
21. Number of received pages in the FAX Function (BLACK)
22. PM count setting value [EPU (K)]
23. PM count present value [EPU (K)]
24. PM driving count setting value [EPU (K)]
25. PM driving count present value [EPU (K)]
26. PM count setting value [Developer material (K)]

27. PM driving count present value [Developer material (K)]
 28. PM driving count setting value [Developer material (K)]
 29. PM driving count present value [Developer material (K)]
 30. PM count setting value (Other parts)
 31. PM driving count present value (Other parts)
 32. PM driving count setting value (Other parts)
 33. PM driving count present value (Other parts)
 34. History of error
 35. Toner cartridge information
 36. Toner near-empty counter
 37. Setting value of toner cartridge rotation time counter
 38. Current value of toner cartridge rotation time counter
 39. Color of toner cartridge
 - 1: Black
 - 2: Yellow
 - 3: Magenta
 - 4: Cyan
 40. Destination setting of toner cartridge
- *2 The latest 20 errors are displayed.

5. Service Call Notification
 Subject: Service Call Notification

① Date: 04/14/2006 13:47
 Machine Name: e-STUDIO3500c SerialNumber:1234567890
 ② ③

④ Function: Printer
 ⑤ Severity: Error
 ⑥ ErrorCode: XXXX
 ⑦ Message:
 XXX

⑧ Supplier:
 Name : SUPPLIER_NAME
 Tel Number : 1122334455
 E-Mail : supplier_emailaddress@cccc.xxx
 Address : SUPPLIER_ADDRESS

⑨ Customer:
 Name : CUSTOMER_NAME
 Tel Number : 1234567890
 E-Mail : customer_emailaddress@dddd.xxx
 Address : CUSTOMER_ADDRESS

⑩ Service Technician:
 Number : svc12
 Name : SERVICE_TECHNICIAN_NAME
 Tel Number : 0987654321
 E-Mail : svc@toshibatec.co.jp

⑪ Printer Error History:

Date	Time	ErrorCode
04/13/2006	16:44	F110
04/12/2006	22:28	F110
04/12/2006	22:23	F110
03/15/2006	22:23	F110
02/25/2006	11:12	F110

(*1)

Fig.10-37

- ① Date (When an error occurs)
- ② Machine model name
- ③ Serial number
- ④ Function: Fixed at "Printer"
- ⑤ Severity: Fixed at "Error"
- ⑥ Error code
- ⑦ Error message: The content of error is displayed.
- ⑧ Supplier information
- ⑨ Customer information
- ⑩ Service technician information
- ⑪ History of error

*1 The latest 20 errors are displayed.

11. FIRMWARE UPDATING

11.1 General Description

When you want to update the firmware to the latest one or the equipment becomes inoperable due to some defect in the firmware, updating can be performed as follows.

Equipment

	Firmware	Updating method
Master data (HDD program data)		USB media
System ROM (OS data)		USB media
		Download jig (PWA-DWNLD-350-JIG1)
PFC ROM (PFC firmware)		USB media
		Download jig (PWA-DWNLD-350-JIG1)
Engine ROM (Engine firmware)		USB media
		Download jig (PWA-DWNLD-350-JIG1)
Scanner ROM (Scanner firmware)		USB media
		Download jig (K-PWA-DLM-320)
RADF ROM (RADF firmware)		USB media
		Download jig (K-PWA-DLM-320)

Options

Model name	Firmware	Updating method
Finisher (MJ-1103)	Finisher firmware	Download jig (K-PWA-DLM-320)
	Converter firmware	
Saddle Stitch Finisher (MJ-1104)	Finisher firmware	
	Saddle stitcher firmware	
	Converter firmware	
Hole Punch Unit (MJ-6102)	Hole punch unit firmware	
Fax Unit (GD-1270)	FAX firmware	

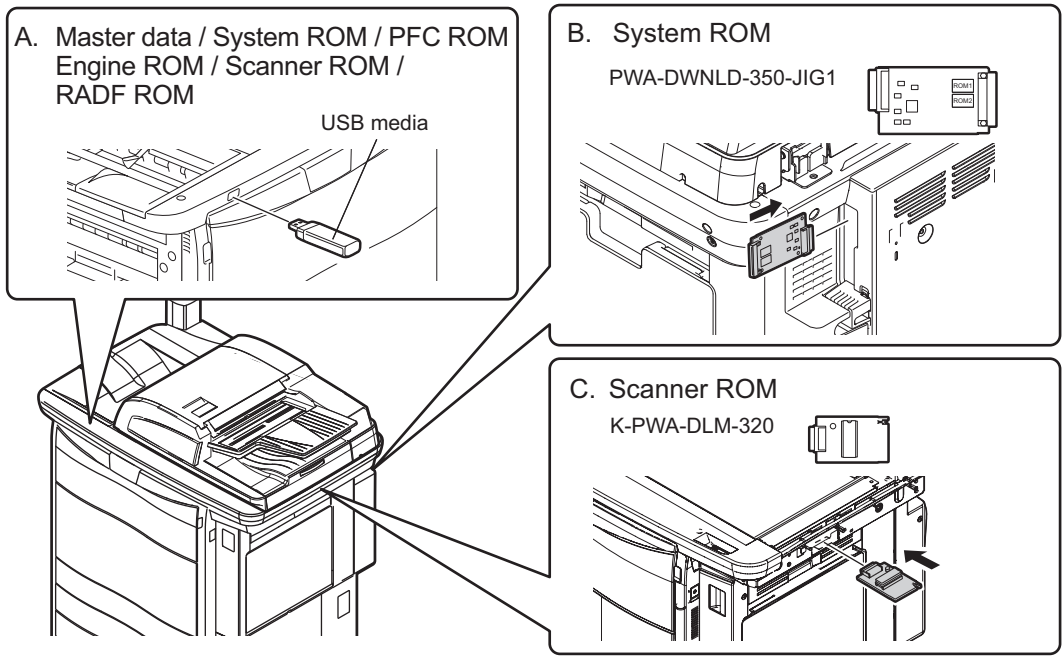


Fig.11-1

A	Master data, System ROM, PFC ROM, Engine ROM, Scanner ROM, RADF ROM	P. 11-12
B	System ROM	P. 11-27
C	Scanner ROM	P. 11-34

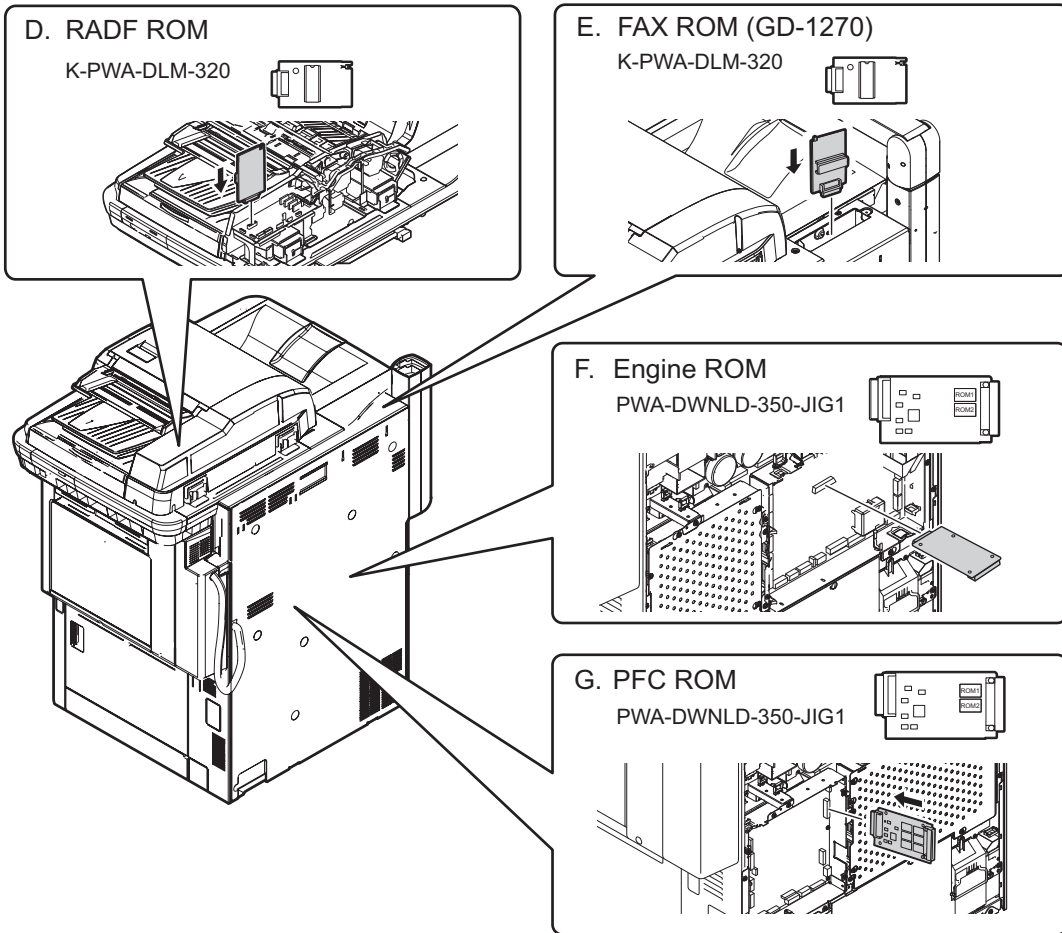


Fig.11-2

D	RADF ROM	P. 11-37
E	FAX ROM (GD-1270)	P. 11-48
F	Engine ROM	P. 11-29
G	PFC ROM	P. 11-29

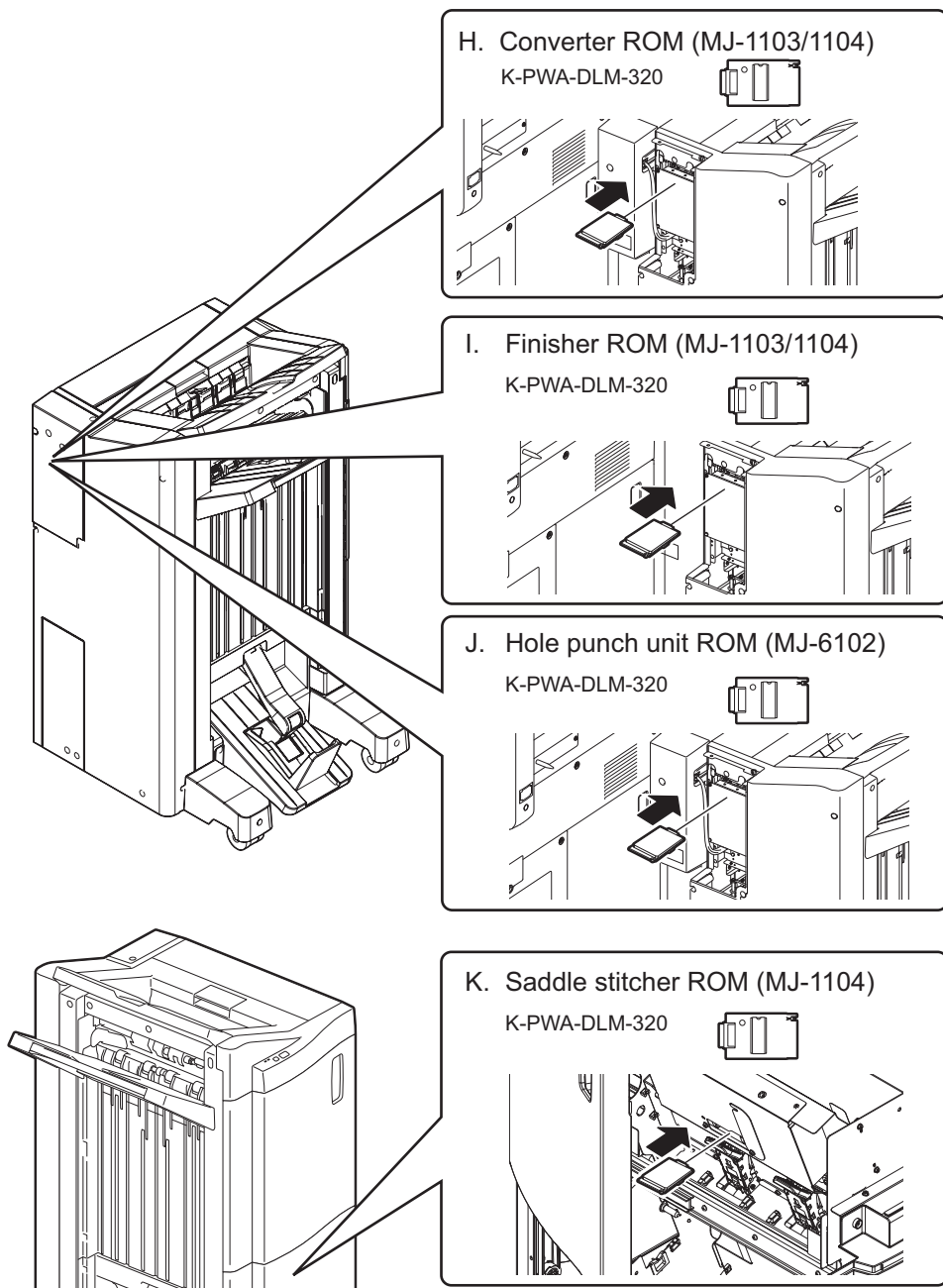


Fig.11-3

H	Converter ROM (MJ-1103/1104)	P. 11-46
I	Finisher ROM (MJ-1103/1104)	P. 11-39
J	Hole punch unit ROM (MJ-6102)	P. 11-43
K	Saddle stitcher ROM (MJ-1104)	P. 11-41

Notes:

- Written firmware varies depending on the kinds of the boards provided as service parts. For updating, only the minimum firmware is installed on the system control PC board, logic PC board, PFC PC board, scanning section control PC board, and FAX board. The latest version of the firmware at the time of delivery is written on the RADF control PC board and finisher control PC board. When any of above boards is replaced with a new one in the field, check the other firmware version used and then update with a corresponding suitable version.
- The firmware (master data) is not installed on the hard disk provided as a service part. When the hard disk is replaced with a new one, check the other firmware version used and then write a corresponding suitable version.
- “Can't fetch Ver.” is displayed in the Installed Version field when the version of the installed ROM cannot be acquired properly. If a normal power on is not performed after the firmware is updated and the [ON/OFF] button is pressed while simultaneously holding down the [4] and [9] buttons, “Can't fetch Ver.” may be displayed on the control panel for some ROMS. A normal power on must be performed.

11.2 Firmware Updating with a USB Device

To update the firmware, store the update programs and the firmware data files in a USB device.

The update program is "signatures.sig", and it needs to be stored in a USB device. It is necessary for updating the firmware except that of the system firmware.

For the data file for each firmware, refer to the table of section 11.2.2 Firmware type and data file name for updating.

Notes:

Be sure to use the latest program when updating is performed.

11.2.1 Updating methods

There are three types of updating methods by means of a USB device. The table below explains the differences.

Method	File	Explanation
Standard update	Standard package	Updating the file of a base version.
Differential items update	Differential items package	Updating the version by means of the package of only the files which have been changed from the base. This method is applied to the system firmware only. Since only the files which have been changed are packaged, the data size is smaller than that for the standard package.
Patch update	Patch	Updating can be done in a shorter time than the standard one. This method is applied to the system firmware and the system software only.

11.2.2 Firmware type and data file name for updating

[A] Standard update Equipment

Firmware	Stored	Data file name		Display
		e-STUDIO5540C/ 6540C/6550C	e-STUDIO5560C/ 6560C/6570C	
Master data (HDD program data)	Hard disk	T130HD0Wxxxx.tar * The version name comes at "xxxx".	T340HD0Wxxxx.tar * The version name comes at "xxxx".	SYSTEM SOFTWARE (HD Data)
System ROM (OS data)	System control PC board (SYS board)	T130SF0Wxxxx.tar * The version name comes at "xxxx".	T340SF0Wxxxx.tar * The version name comes at "xxxx".	SYSTEM FIRMWARE (OS Data)
PFC ROM (PFC firmware)	Paper feeding control board (PFC board)	T130FWW.xxx * The version name comes at "xxx".	TH340FWW.xxx * The version name comes at "xxx".	PFC FIRMWARE
Engine ROM (Engine firmware)	Logic PC board (LGC board)	T130MWW.xxx * The version name comes at "xxx".	TH340MWW.xxx * The version name comes at "xxx".	ENGINE FIRMWARE
Scanner ROM (Scanner firmware)	Scanning section control PC board (SLG board)	T130SLGWW.xxx * The version name comes at "xxx".	T130SLGWW.xxx * The version name comes at "xxx".	SCANNER FIRMWARE

Firmware	Stored	Data file name		Display
		e-STUDIO5540C/ 6540C/6550C	e-STUDIO5560C/ 6560C/6570C	
RADF ROM (RADF firmware)	RADF board	430DFWW.xxx * The version name comes at "xxx".	430DFWW.xxx * The version name comes at "xxx".	RADF FIRMWARE

[B] Differential items update

Firmware	Stored	Data file name		Display
		e-STUDIO5540C/ 6540C/6550C	e-STUDIO5560C/ 6560C/6570C	
Master data (HDD program data)	Hard disk	-	T340HDdWxxxx.tar * The version name comes at "xxxx".	SYSTEM SOFTWARE (HD Data)
System ROM (OS data)	System control PC board (SYS board)	-	T340SFdWxxxx.tar * The version name comes at "xxxx".	SYSTEM FIRMWARE (OS Data)

[C] Patch update

Firmware	Stored	Data file name		Display
		e-STUDIO5540C/ 6540C/6550C	e-STUDIO5560C/ 6560C/6570C	
Master data (HDD program data)	Hard disk	T130HDPWxxxx.tar * The version name comes at "xxxx".	T340HDPWxxxx.tar * The version name comes at "xxxx".	SYSTEM SOFTWARE (HD Data)
System ROM (OS data)	System control PC board (SYS board)	T130SFPWxxxx.tar * The version name comes at "xxxx".	T340SFPWxxxx.tar * The version name comes at "xxxx".	SYSTEM FIRMWARE (OS Data)

11.2.3 Folder configuration of a USB device

[A] Standard update

The data files for updating are stored in the model specific folder. The configuration below is an example. The number of files differs depending on the installed options.

e-STUDIO5540C/6540C/6550C

Model specific folder name	5540C_6550C
----------------------------	-------------

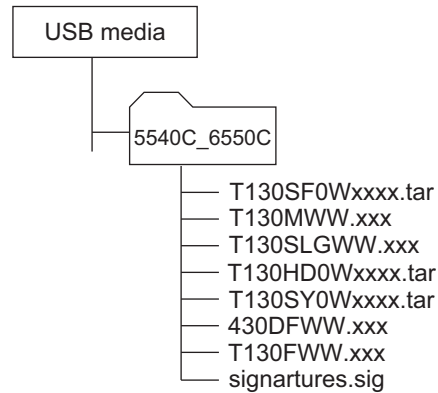


Fig.11-4

e-STUDIO5560C/6560C/6570C

Model specific folder name	5560C_6570C
----------------------------	-------------

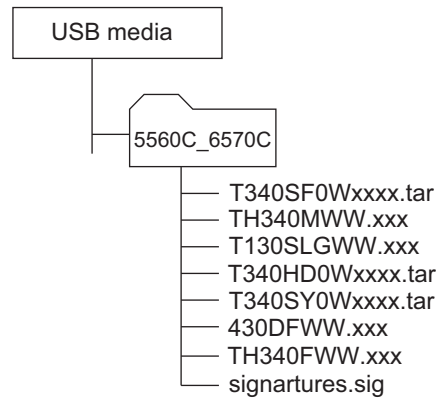


Fig.11-5

[B] Differential items update

e-STUDIO5540C/6540C/6550C
N/A

e-STUDIO5560C/6560C/6570C

Model specific folder name	5560C_6570C
----------------------------	-------------

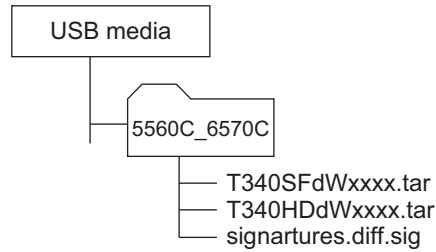


Fig.11-6

[C] Patch update

e-STUDIO5540C/6540C/6550C

Model specific folder name	5540C_6550C
----------------------------	-------------

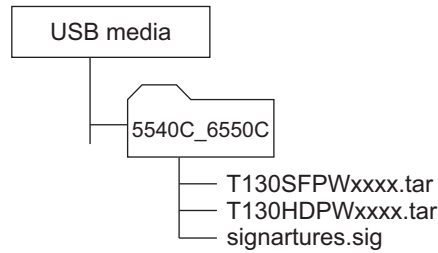


Fig.11-7

e-STUDIO5560C/6560C/6570C

Model specific folder name	5560C_6570C
----------------------------	-------------

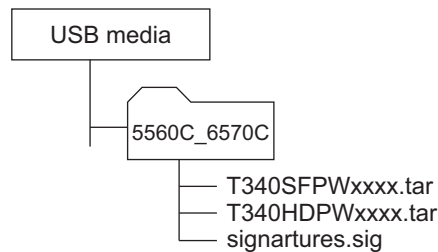



Fig.11-8

Notes:

- Since the date and time set in the equipment are recorded in the firmware update log, make sure that they are correct before updating the firmware.
- Never change the model specific folder name since it is used for identifying the data file when the ones used for updating multiple models are stored in a USB device.
- Updating of the base version data must be completed in advance when an update of differential items is performed.
- If the differential items update has failed, update the base version data and then perform the differential items update again.
- Be sure to perform a standard update if such is required after the board or HDD has been formatted. The update will fail if the differential items update is performed instead.
- The files for the standard package and the differential items package can be used to update while they are stored into the same USB device. Moreover, it is also possible to store multiple files for differential items package into the same USB device.

Important:

- Only the USB device which meet the following conditions should be used for updating. Note that updating with any devices other than the above is never guaranteed.
 - A combination USB Device with a flash memory (to be connected directly to the USB port) and its capacity is 1GB or more.
 - Operation check of the USB device used for updating has been performed by means of the input check of this equipment (test mode 03).
( P. 5-8"5.3 Input check (Test mode 03)")
 - The USB device which comply with the following standards regulated by USB-IF (USB Implementers Forum)
 - Class number: 8 (=08h) (Mass-storage class)
 - Sub-class number: 6 (=06h) (SCSI transfer command set)
 - Protocol number: 80 (=50h) (Bulk-Only)
 - * Most common USB device comply with the specification above and can be used for updating. However, the operation in all the Multi Functional Digital Color Systems and Multi Functional Digital Systems is not necessarily guaranteed since the most of these devices are developed based on use in a PC environment (Windows or Macintosh). Therefore, check thoroughly that the device is operational in the equipment for which the updating will be performed when purchasing it.
- The USB device complying with USB2.0 can be used for updating.
- Do not update the firmware by any storage device other than a flash memory (such as a USB connection type memory card reader, CD/DVD drive or hard disk), since it is never guaranteed.
- It is possible to store the model specific update program and the data file for updating directly in the root directory when you store the updating data file for one specific model in the USB device. However, if the model specific folder for the same model as that of the data file stored in the root directory already exists, this will have priority.

11.2.4 Update procedure

Important:

- The file system of a USB device should be formatted in the FAT or FAT32 format. USB devices formatted in an NTFS or another format will not be able to be operated. The file system of a USB device can be confirmed by opening its property using Windows Explorer or such.
- Never shut down the equipment during an update. Otherwise, firmware data and the following option data (if installed) could be damaged and may not be able to be operated properly.
 - Data Overwrite Enabler (GP-1070)
 - Meta Scan Enabler (GS-1010)
 - External Interface Enabler (GS-1020)
 - IPsec Enabler (GP-1080)
 - Unicode Font Enabler (GS-1007) (e-STUDIO5560C/6560C/6570C only)

[A] Updating firmware

- (1) Connect the USB device to the PC and write the model specific folder in which the data file is stored.
Store the data file for updating in the model specific folder.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Connect the USB device [1] to the USB port [2].

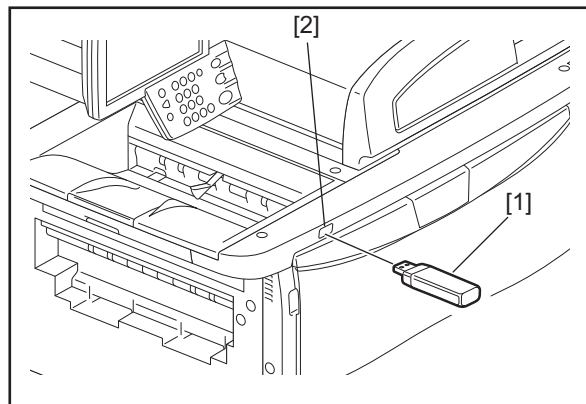


Fig.11-9

- (4) Press the [ON/OFF] button while holding down the [4] and [9] buttons simultaneously. Data in the USB device are checked and its status is displayed on the screen.
- (5) Enter the password, and then press [OK].
(If the Enter Password field is blank, it is unnecessary to enter anything.)

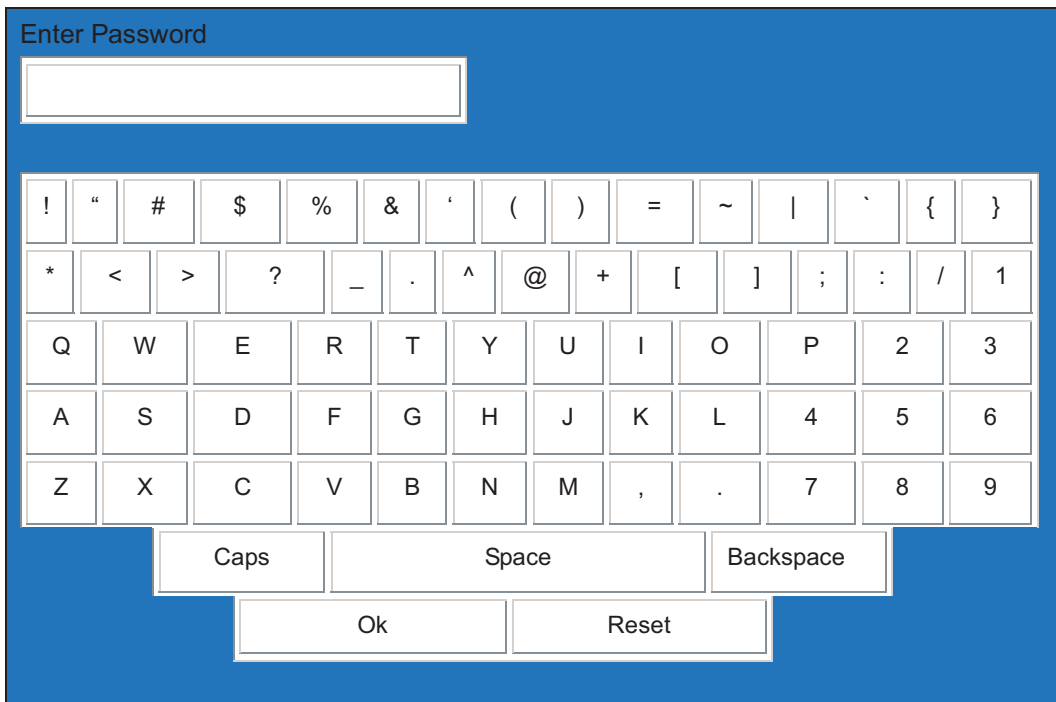


Fig.11-10

The screen for selecting items to be updated is displayed after approx. 1 minute. On this screen, the current firmware version of this equipment and the firmware version of data to be updated are displayed.

Download Storage Firmware Update Mode		Firmware Version: x.x.x.x
		Update Mode : USB Update
Update Status	Updater Version	Installed Version
1. SYSTEM FIRMWARE (OS Data)	xxxxxxxxxxxx	xxxxxxxxxxxx
2. ENGINE FIRMWARE	xxxxxxx.xxx	xxxxxxx.xxx
3. SCANNER FIRMWARE	xxxxxxxxxxxx	xxxxxxxxxxxx
4. SYSTEM SOFTWARE (HD Data)	xxxxxxxxxxxx	xxxxxxxxxxxx
* FILE SYSTEM SOFTWARE	xxxxxxxxxxxx	xxxxxxxxxxxx
* APPLICATION SOFTWARE	xxxxxxxxxxxx	xxxxxxxxxxxx
5. RADF FIRMWARE	xxxxxxx.xxx	xxxxxxx.xxx
6. PFC FIRMWARE	xxxxxxx.xxx	xxxxxxx.xxx

Fig.11-11

Notes:

- The display of items on this screen varies depending on the updating method.
Moreover, the display of items on this screen also varies depending on the type of data written in a USB device. Each item is displayed only when each data file is written in a USB device in the following conditions.

Standard update

Item	Condition	
	e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/65750C
1. SYSTEM FIRMWARE(OS Data)	T130SF0Wxxxx.tar is written. * The version name comes at "xxxx".	T340SF0Wxxxx.tar is written. * The version name comes at "xxxx".
2. ENGINE FIRMWARE	T130MWW.xxx is written. * The version name comes at "xxx".	TH340MWW.xxx is written. * The version name comes at "xxx".
3. SCANNER FIRMWARE	T130SLGWW.xxx is written. * The version name comes at "xxx".	T130SLGWW.xxx is written. * The version name comes at "xxx".
4. SYSTEM SOFTWARE(HD Data)	T130HD0Wxxxx.tar and T130SY0Wxxxx.tar are written. * The version name comes at "xxxx".	T340HD0Wxxxx.tar and T340SY0Wxxxx.tar are written. * The version name comes at "xxxx".
5. RADF FIRMWARE	430DFWW.xxx is written. * The version name comes at "xxx".	430DFWW.xxx is written. * The version name comes at "xxx".
6. PFC FIRMWARE	T130FWW.xxx is written. * The version name comes at "xxx".	TH340FWW.xxx is written. * The version name comes at "xxx".

Differential items update

Item	Condition	
	e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/65750C
1. SYSTEM FIRMWARE(OS Data)	-	T340SFdWxxxx.tar is written. * The version name comes at "xxxx".
2. SYSTEM SOFTWARE(HD Data)	-	T340HDdWxxxx.tar is written. * The version name comes at "xxxx".

Patch update

Item	Condition	
	e-STUDIO5540C/6540C/6550C	e-STUDIO5560C/6560C/65750C
1. SYSTEM FIRMWARE(OS Data)	T130SFPWxxxx.tar is written. * The version name comes at "xxxx".	T340SFPWxxxx.tar is written. * The version name comes at "xxxx".
2. SYSTEM SOFTWARE(HD Data)	T130HDPWxxxx.tar is written. * The version name comes at "xxxx".	T340HDPWxxxx.tar is written. * The version name comes at "xxxx".

- If the USB device are not recognized properly, “USB device Not detected” is displayed. In this case, disconnect the USB device and connect it again within 3 minutes, or shut down the equipment and connect the device properly. Then repeat the procedure from (4).
- If any of the error messages below is displayed, confirm if the update program or the data file in the USB device is correct. Then repeat the procedure from (4)

Error number	Error message	Cause
01	Error Loadmodule	Module loading failed.
02	Machine Model Get Error	Module information downloading failed.
03	Copy Data with valid signature in USB Storage	Data file check failed.
04	Other models ROMDATA TXXXXXXXXX * The version name comes at “xxx.xxx.x”.	Master data of other model are stored.
05	Copy Signature File in USB Storage	Data files are not stored in a USB device.
06	Patch and Normal package in one folder of USB Storage	When both the system and patch update packages are in a USB device together.

- (6) Select the item with the digital keys.
“*” is displayed next to the selected item. Display or delete the “*” by pressing the number of the item.

Notes:

The display of items on this screen varies depending on the updating method.

Item	Remarks
1. SYSTEM FIRMWARE(OS Data)	Updating OS data
2. ENGINE FIRMWARE	Updating Engine ROM
3. SCANNER FIRMWARE	Updating Scanner ROM
4. SYSTEM SOFTWARE (HD Data)	Updating Master data (HDD program data)
5. RADF FIRMWARE	Updating RADF ROM
6. PFC FIRMWARE	Updating PFC ROM

- (7) Press the [START] button.
Updating starts and the processing status is displayed on the LCD screen.

Notes:

The display of items on this screen varies depending on the updating method.

Status display during the update	Status display when the update is completed
SYSTEM FIRMWARE (OS Data) update in progress	SYSTEM FIRMWARE (OS Data) Completed
ENGINE FIRMWARE update in progress	ENGINE FIRMWARE Completed
SCANNER FIRMWARE update in progress	CANNER FIRMWARE Completed
SYSTEM SOFTWARE (HD Data) update in progress	SYSTEM SOFTWARE (HD Data) Completed
RADF FIRMWARE update in progress	RADF FIRMWARE Completed
PFC FIRMWARE update in progress	PFC FIRMWARE Completed

- (8) When a standard update is completed properly, "Update successfully completed Restart the MFP" is displayed at the bottom of the LCD screen.

Notes:

When a patch update is completed, "Patch Update Successfully Restart the MFP" is displayed at the bottom of the LCD screen.

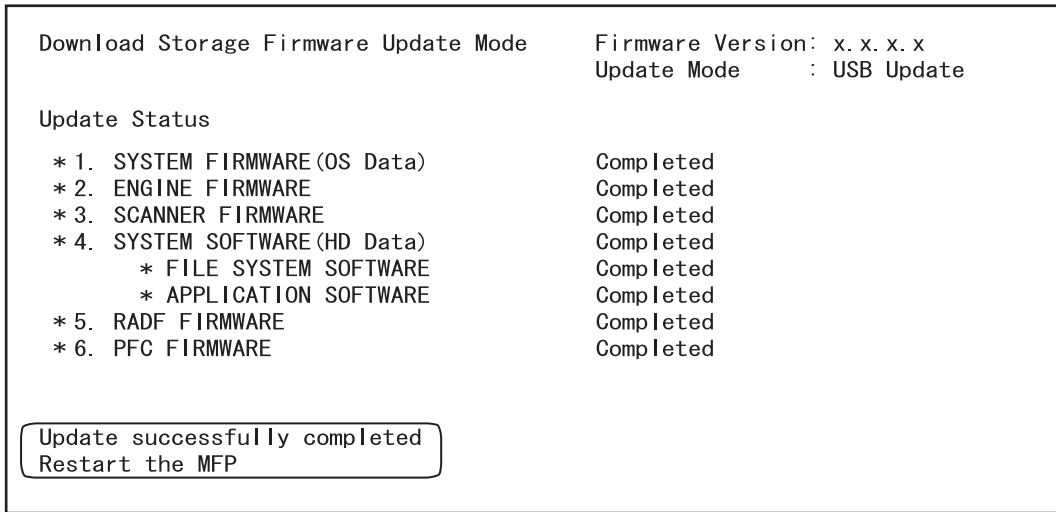


Fig.11-12

Notes:

- "Update Failed." is displayed at the bottom of the LCD screen when the update is not completed properly. "Failed" appears next to the failed item on the status display. In this case, shut down the equipment after all the updates are stopped (when either "Completed" or "Failed" is displayed for each item), and then check the following.
 - Do the USB device meet the conditions to be used for updating?
 - Is the data file written properly in the USB device?
 - Are the USB device installed properly?
 - Do the USB device and equipment operate properly?
- When an OS update error or HDD update error occurs, "Update Failed" or "Failed" appears on the screen and the error number appears next to the message. For details of each error, refer to the following tables

OS update error	
Error number	Description
O01	FROM writing failed
O02	FROM verification error
O03	File operation error
O04	SRAM flag set error
O05	Electronic key data backup error
O06	Device error

HDD update error	
Error number	Description
H01	File creation error
H02	File decompression error
H03	Partition mount error
H04	Hard disk full error
H00	Other errors

- When updating of engine firmware, scanner firmware, RADF firmware or PFC firmware fails, "Update Failed" or "Failed" appears on the screen, and the error number and error message appear next to the message. For details of each error, refer to the following tables.

PFC firmware update error		
Error number	Error message	Description
F01	Time out (When the download is requested)	Communication timeout (When a download is requested)
F02	Time out (When the download is written)	Communication timeout (When a download is written)
F03	Time out (When the download is finished)	Communication timeout (When a download is finished)
F04	Reception failed (When the download is requested)	Downloading request failed (When a download is requested)
F05	Deletion error (When the download is written)	Deletion error (When a download is written)
F06	Writing error (When the download is written)	Writing error (When a download is written)
F07	Checksum error (When the download is finished)	Checksum error (When a download is finished)
F08	Reception status code abnormality (When the download is requested)	Reception status code abnormality (When a download is requested)
F09	Reception status code abnormality (When the download is written)	Reception status code abnormality (When a download is written)
F10	Reception status code abnormality (When the download is finished)	Reception status code abnormality (When a download is finished)
F00	Other error	Other error

Engine firmware update error		
Error number	Error message	Description
M01	Time out (When the download is requested)	Communication timeout (When a download is requested)
M02	Time out (When the download is written)	Communication timeout (When a download is written)
M03	Time out (When the download is finished)	Communication timeout (When a download is finished)
M04	Reception failed (When the download is requested)	Downloading request failed (When a download is requested)
M05	Deletion error (When the download is written)	Deletion error (When a download is written)
M06	Writing error (When the download is written)	Writing error (When a download is written)
M07	Checksum error (When the download is finished)	Checksum error (When a download is finished)
M08	Reception status code abnormality (When the download is requested)	Reception status code abnormality (When a download is requested)
M09	Reception status code abnormality (When the download is written)	Reception status code abnormality (When a download is written)
M10	Reception status code abnormality (When the download is finished)	Reception status code abnormality (When a download is finished)
M00	Other error	Other error To troubleshoot this error, refer to the following section: 📖 P. 8-300"8.4.16 Error code "M00" is displayed while updating firmware"

Scanner Update Error		
Error number	Error message	Description
S01	Time out (When the download is requested)	Communication timeout (When a download is requested)
S02	Time out (When the download is written)	Communication timeout (When a download is written)
S03	Time out (When the download is finished)	Communication timeout (When a download is finished)
S05	Deletion error (When the download is written)	Deletion error (When a download is written)
S06	Writing error (When the download is written)	Writing error (When a download is written)
S08	Reception status code abnormality (When the download is requested)	Reception status code abnormality (When a download is requested)
S09	Reception status code abnormality (When the download is written)	Reception status code abnormality (When a download is written)
S10	Reception status code abnormality (When the download is finished)	Reception status code abnormality (When a download is finished)
S00	Other error	Other error

RADF firmware update error		
Error number	Error message	Description
R01	Time out (When the download is requested)	Communication timeout (When a download is requested)
R02	Time out (When the download is written)	Communication timeout (When a download is written)
R03	Time out (When the download is finished)	Communication timeout (When a download is finished)
R05	Deletion error (When the download is written)	Deletion error (When a download is written)
R06	Writing error (When the download is written)	Writing error (When a download is written)
R08	Reception status code abnormality (When the download is requested)	Reception status code abnormality (When a download is requested)
R09	Reception status code abnormality (When the download is written)	Reception status code abnormality (When a download is written)
R10	Reception status code abnormality (When the download is finished)	Reception status code abnormality (When a download is finished)
R21	RADF Uninstallation	RADF not installed
R23	RADF Firmware model mismatch	RADF ROM for different model data connected
R00	Other error	Other error

(9) Press the [ON/OFF] button to shut down the equipment, and then remove the USB device.

(10) Perform the initialization of the updating data.

- Press the [ON/OFF] button while holding down the [0] and [8] buttons simultaneously.
- Key in "9030", and then press the [START] button.
- Press [INITIALIZE].

Notes:

This step is unnecessary for a patch update.

[B] Confirmation of the updated data

After the updating is completed, check each data version in the Setting Mode (08) to confirm that the data were overwritten properly.

📖 P. 11-51"11.5 Confirmation of the updated data"

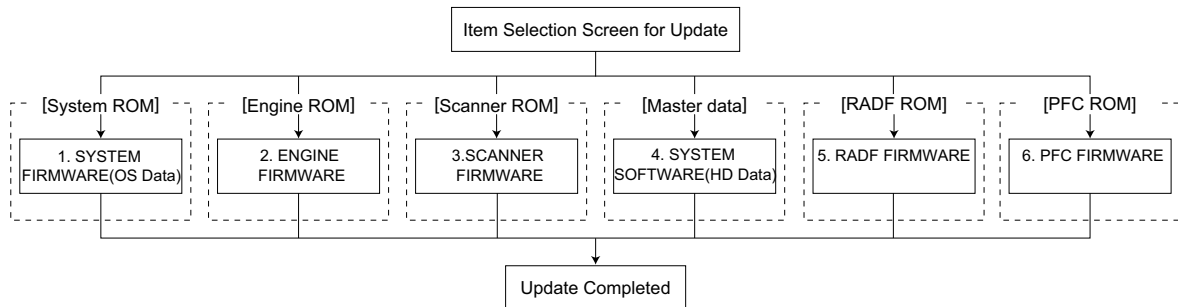
[C] Adjustment

Perform the adjustment of the equipment.

- Performing Image Quality Control (05-2742):
📖 P. 6-4"6.1.3 Performing Image Quality Control"
- Adjustment of Color Registration Control (05-4719):
📖 P. 6-7"6.1.4 Adjustment of Color Registration Control"
- Automatic gamma adjustment <PPC> (05-7869) (using [4][FAX] test pattern):
📖 P. 6-31"6.2.1 Automatic gamma adjustment"
- Automatic gamma adjustment < PRT > (05-8008) (using [70][FAX] test pattern):
📖 P. 6-49"6.3.1 Automatic gamma adjustment"

[D] Display during the update

Update is performed in parallel as shown in the transition diagram below.



Below is an example of the changes of the LCD screen during update.

During the update, "Update in progress" is displayed on the right of each item. After it is completed, "Completed" is displayed there. Example screens of the system firmware update are as follows, and these are the same for other firmware.

As for a patch update, "Patch Update Successful Restart the MFP" is displayed instead of "Complete" when the update is completed.

System ROM

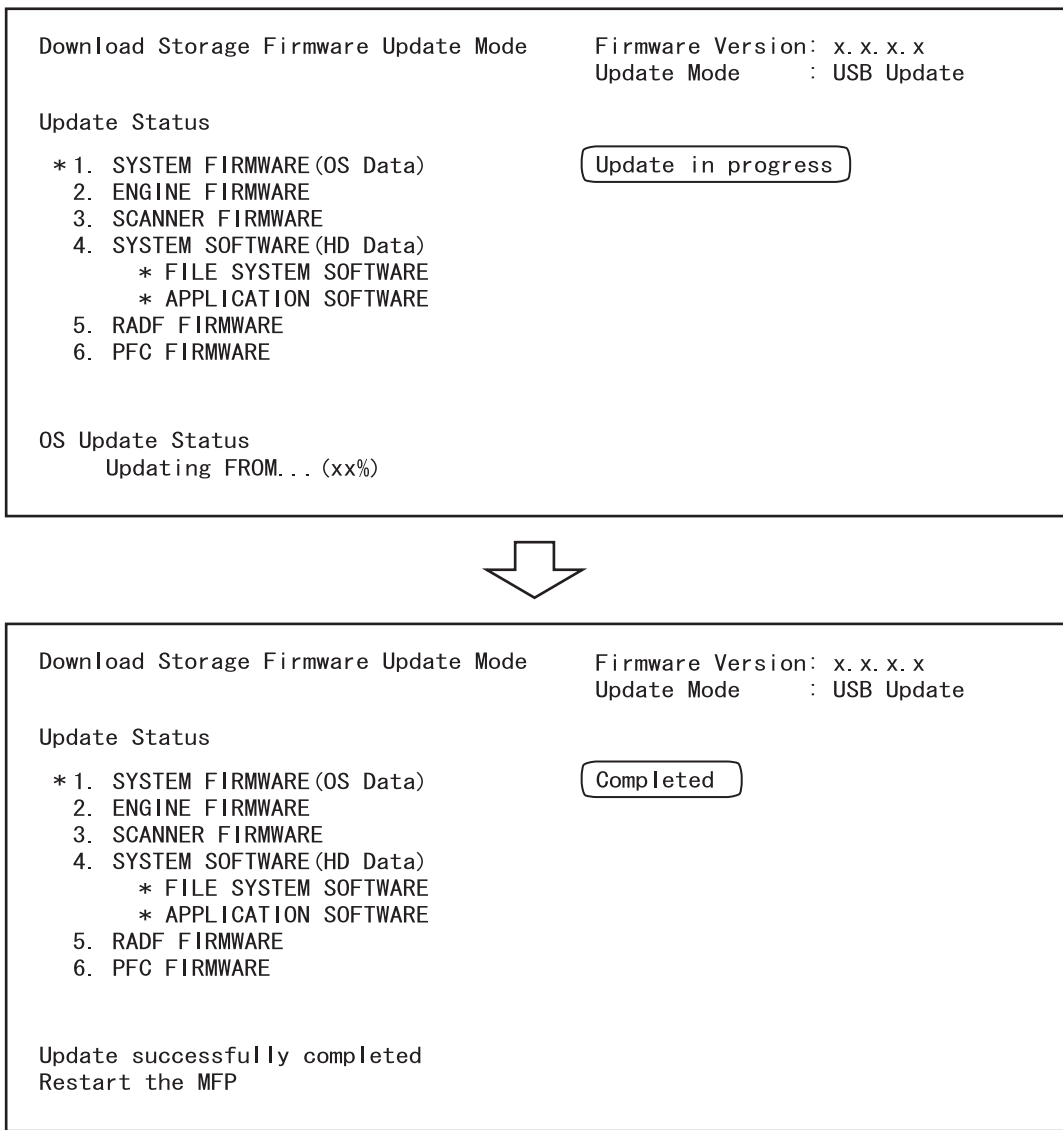
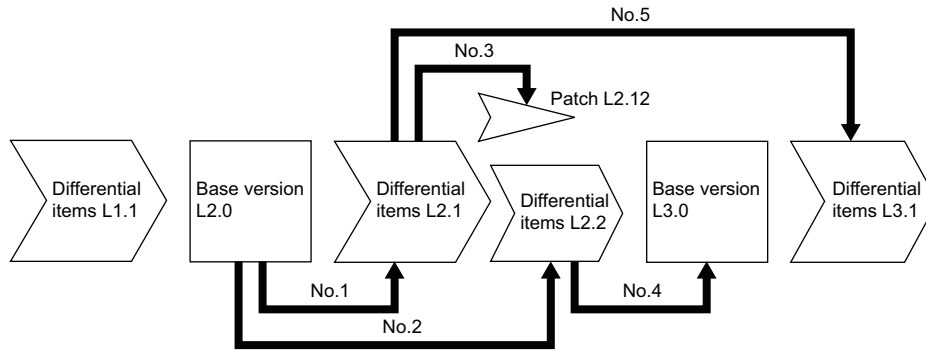


Fig.11-13

[E] Examples

Examples of update are as below. In this section, the procedure is explained by focusing on a differential items update.



No.	Operation	Update procedure	When update has failed
1	Updating from L2.0 to L2.1	Perform a differential items update from L2.0 to L2.1.	Perform a standard update to L2.0 which is the base version of L2.1 before carrying out a differential items update to it.
2	Updating from L2.0 to L2.2	Perform a differential items update from L2.0 to L2.2. (Updating to L2.1 is unnecessary.)	Perform a standard update to L2.0 which is the base version of L2.2 before carrying out a differential items update to it.
3	Updating from L2.1 to L2.12	Perform a patch update from L2.1 to L2.12.	Perform a patch update from L2.1 to L2.12.
4	Updating from L2.2 to L3.0	Perform a standard update from L2.2 to L3.0.	Perform a standard update to L3.0.
5	Updating from L2.1 to L3.1	Perform a standard update from L2.1 to L3.0 which is the base version of L3.1 before carrying out a differential items update to it.	Perform a standard update to L2.0 which is the base version of L2.1. Perform a standard update to L3.0 and then carry out a differential items update to L3.1.

11.3 Firmware Updating with PWA-DWNLD-350-JIG1

The data to be overwritten by this update are as follows.

Update the ROM data written on each board according to the need such as the case of replacing the system control PC board, logic PC board or scanning section control PC board.

Equipment

Firmware	Stored
System ROM (OS data)	Hard disk (HDD)
PFC ROM (PFC firmware)	PFC PC board (PFC board)
Engine ROM (Engine firmware)	Logic PC board (LGC board)

PWA-DWNLD-350-JIG1 (16MB)

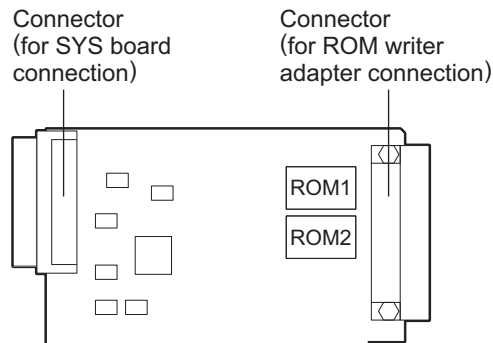


Fig.11-14 Jig board: PWA-DWNLD-350-JIG1 (16 MB)

Important:

The download jig (PWA-DWNLD-350-JIG1) is the jig in which the Flash ROM is mounted on the board directly. Therefore, ROM writer adapter (PWA-DL-ADP-350) is required to write the data to these Flash ROMs. Refer to the following to write the data.

Remarks: Useable jigs

Download jigs for this equipment are as follows:

e-STUDIO5540C/6540C/6550C:

No	Type of jig	ROM capacity	Remarks
1	PWA-DWNLD-JIG1F	16MB	
2	PWA-DWNLD-JIG2F	48MB	
3	PWA-DWNLD-JIG1	16MB	Requires a relay board (PWA-DWNLD-RELAY-50F)
4	PWA-DWNLD-JIG2	48MB	Requires a relay board (PWA-DWNLD-RELAY-50F)

*Jigs No. 3 and 4 above can be used if a relay board is installed together even though the shape of their connectors differ.

e-STUDIO5560C/6560C/6570C:

No	Type of jig	ROM capacity	Remarks
1	PWA-DWNLD-JIG1F	16MB	Requires a relay board (PWA-DWNLD-RELAY-GLPGS)
2	PWA-DWNLD-JIG2F	48MB	Requires a relay board (PWA-DWNLD-RELAY-GLPGS)
3	PWA-DWNLD-JIG1	16MB	
4	PWA-DWNLD-JIG2	48MB	

*Jigs No. 1 and 2 above can be used if a relay board is installed together even though the shape of their connectors differ.

11.3.1 Writing the data to the download jig (PWA-DWNLD-350-JIG1)

The download jig (PWA-DWNLD-350-JIG) is the jig in which the Flash ROM is mounted on the board directly. The ROM writer adapter (PWA-DL-ADP-350) is required to write data to these Flash ROMs. Connect the download jig with the ROM writer via ROM writer adapter to write data. For the procedure to write data, refer to the download procedure, instruction manual of each ROM writer, or others.

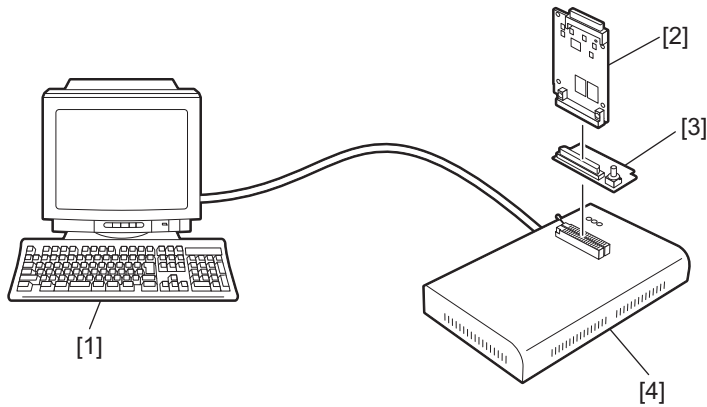


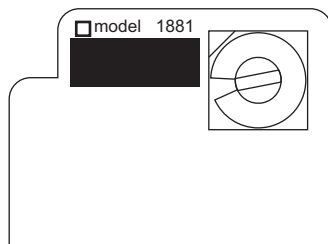
Fig.11-15

- [1] PC
- [2] Download jig (PWA-DWNLD-350-JIG1)
- [3] ROM writer adapter (PWA-DL-ADP-350)
- [4] ROM writer

Notes:

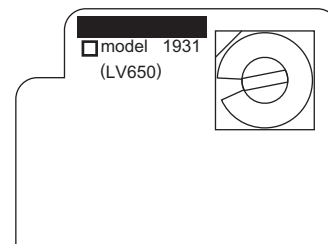
There are two types of the ROM writer adapter. Use the proper one according to the ROM writer to be used. Applicable type of the adapter for the ROM writer can be confirmed by the model name indicated on the board. Confirm that the adapter is available for the ROM writer to be used before connecting them. If an unapplied adapter is connected, the application of the ROM writer judges it as an error and writing the data cannot be implemented. Applicable combinations of the ROM writer and adapter are as follows.

ROM writer	ROM writer adapter
Minato Electronics MODEL 1881XP/1881UXP (or equivalent)	PWA-DL-ADP-350-1881 (model 1881)
Minato Electronics MODEL 1893/1895/1931/1940 (or equivalent)	PWA-DL-ADP-350-1931 (model 1931)



[PWA-DL-ADP-350-1881]

Fig.11-16



[PWA-DL-ADP-350-1931]

Fig.11-17

[A] Precautions when writing the System ROM data

- Set the writing voltage (VID) to 3.3 V.
When an error appears while the data are being written to the download jig, set the writing voltage (VID) to 12 V and then write them.
- When writing the data, set the address from 0 to 3FFFFFF. The data may not be written correctly if it is not set.
- Load the data file into the buffer by means of the following settings.

Auto Format Detected	Binary
From File	Normal
To Buffer	Normal
From File Address	0
To Buffer Address	0
Buffer Size	800100
Clear Buffer Before Loading the file	Clear buffer with blank state

[A-1] System ROM

Rotary Switch	File Name	Flash ROM
1	ex_bpmash_jig_1.bin	ROM1
2	ex_bpmash_jig_2.bin	ROM2
3	N/A	ROM3
4	N/A	ROM4
5	N/A	ROM5
6	N/A	ROM6

Notes:

Be sure not to confuse different ROM Versions since the file name is identical although the ROM version is different.

[B] Precautions when writing the Engine/PFC ROM data

- Clear the buffer of the ROM writer by means of the following settings.

From Address	To Address	Code
0	800000	FF
800000	8000FF	00

- Set the writing voltage (VID) to 3.3 V.
When an error appears while the data are being written to the download jig, set the writing voltage (VID) to 12 V and then write them.
- When writing the data, set the address from 0 to 3FFFFFF. The data may not be written correctly if it is not set.
- Load the data file into the buffer by means of the following settings.

Auto Format Detected	Binary
From File	Normal
To Buffer	Normal
From File Address	0
To Buffer Address	300000
Buffer Size	800000
Clear Buffer Before Loading the file	Clear buffer with blank state

[B-1] Engine ROM

e-STUDIO5540C/6540C/6550C

Rotary Switch	File Name	Flash ROM
1	T130MWW.xxx	ROM1
2	N/A	ROM2

e-STUDIO5560C/6560C/6570C

Rotary Switch	File Name	Flash ROM
1	TH340MWW.xxx	ROM1
2	N/A	ROM2

[B-2] PFC ROM

e-STUDIO5540C/6540C/6550C

Rotary Switch	File Name	Flash ROM
1	T130FWW.xxx	ROM1
2	N/A	ROM2

e-STUDIO5560C/6560C/6570C

Rotary Switch	File Name	Flash ROM
1	TH340FWW.xxx	ROM1
2	N/A	ROM2

11.3.2 System ROM

The firmware of the system ROM can be updated individually by using WA-DWNLD-350-JIG1.

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update procedure

- (1) Write the ROM data to be updated to the download jig (PWA-DWNLD-350-JIG1).
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Take off the cover plate.

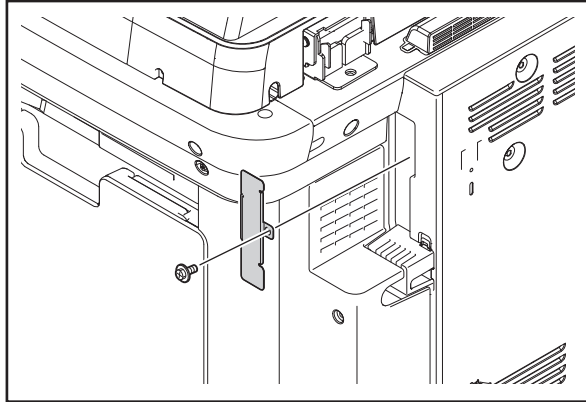


Fig.11-18

- (4) Connect the download jig with the jig connector on the SYS board.

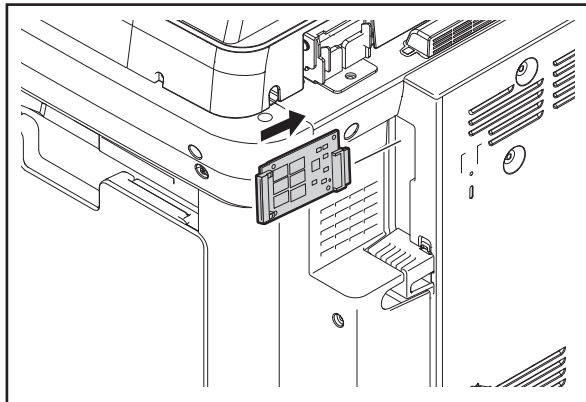


Fig.11-19

- (5) Press the [ON/OFF] button while simultaneously holding down the [8] and [9] buttons.
- (6) Press the [Firmware Update] button, then press the [1] key to select "1.SYSTEM FIRMWARE(OS Data)".
- (7) Select the item with the digital keys.
"*" is displayed next to the selected item. Display or delete the "*" by pressing the number of the item. All items are selected in the default settings.
- (8) Press the [START] button.
Updating starts and the processing status is displayed on the LCD screen.

- (9) "Update Completed." is displayed at the bottom of the LCD screen after the updating is completed properly. Turn the power OFF by pressing the [ON/OFF] button.


Notes:

"Update Failed." is displayed at the bottom of the LCD screen when the updating is not completed properly. "Failed" appears next to the failed item on the status display. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.

- Is the download jig connected properly?
 - Is the updating data written to the download jig properly?
 - Do the download jig and the equipment operate properly?
- (10) Turn the power OFF using the main power switch on the right-hand surface of the equipment, remove the download jig, and then install the cover plate.
- (11) Turn the power ON using the main power switch while holding down the [3] and [C] keys simultaneously.
- (12) Press the [5] key to select "5. Key Backup Restore", then press the [START] button.
- (13) Restore the key and license data by following the steps below.
- Restore the key data by pressing the [1] key to select "1. Key SRAM to FROM", then press the [START] button.
 - If the state of "FROM Licence Status" is "KeyMismatch", restore the license data by pressing the [3] key to select "3. License SRAM to FROM", then press the [START] button.
 - If ADI-HDD is installed, restore the encryption key data by pressing the [5] key to select "5. ADIKey SRAM to FROM", then press the [START] button.
- (14) Press the [ON/OFF] button to shut down the equipment.
- (15) Perform the initialization of the updating data.
- Turn the power ON using the main power switch while pressing the [0] and [8] buttons simultaneously.
 - Key in "9030", and then press the [START] button.
 - Press the [INITIALIZE] button.

[B] Confirmation of the updated data

After the updating is completed, check each data version in the Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.3.3 Engine ROM

The firmware of the engine ROM can be updated individually by using PWA-DWNLD-350-JIG1.

Important:

- Be sure to unplug the power cable before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.
- When servicing the equipment with the power cable plugged in, be sure not to touch live sections or motors, etc.

[A] Update procedure

- (1) Write the ROM data to be updated to the download jig (PWA-DWNLD-350-JIG1).
- (2) Turn the power OFF using the main power switch on the right-hand surface of the equipment.
- (3) Unplug the power cable from the outlet.
- (4) Take off the rear cover.

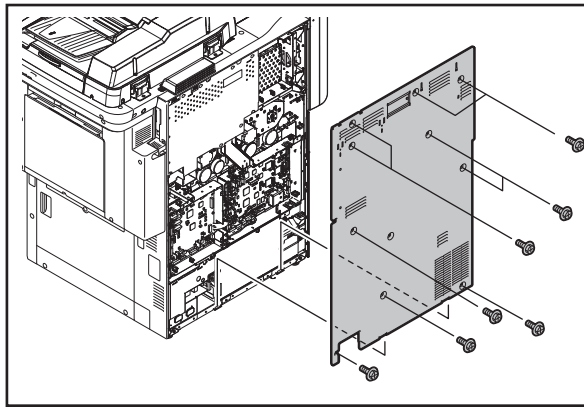


Fig.11-20

- (5) Connect the download jig with the jig connector (CN334) on the logic PC board (LGC board).

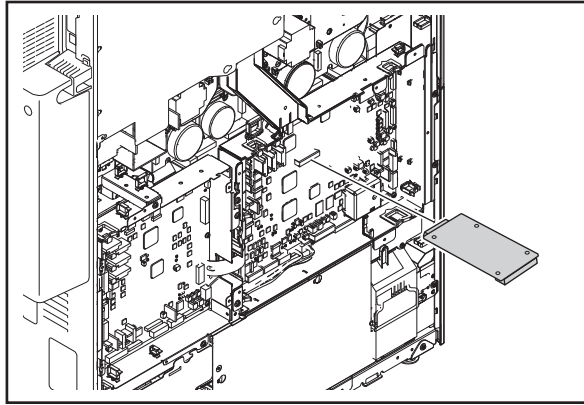



Fig.11-21

- (6) Open the duplexing unit.
- (7) Plug the power cable into the outlet.
- (8) Turn the power ON using the main power switch while simultaneously holding down the [0] and [8] buttons. Updating starts automatically and the LED on the download jig lights.
- (9) When the update is completed properly, the LED (END) on the download jig blinks. The LED starts blinking approx. 15 sec. after the update starts. It is assumed that the update has failed if it does not start blinking even though 1 min. has passed. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.
- Is the download jig connected properly?
 - Is the updating data written on the ROM of the download jig properly?
 - Do the download jig and the equipment operate properly?
- (10) Turn the power OFF using the main power switch on the right-hand surface of the equipment.
- (11) Unplug the power cable from the outlet and remove the download jig.
- (12) Install the cover plate and rear cover, and then close the duplexing unit.
- (13) Plug the power cable into the outlet.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.3.4 PFC ROM

The firmware of the engine ROM can be updated individually by using PWA-DWNLD-350-JIG1.

Important:

- Be sure to unplug the power cable before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.
- When servicing the equipment with the power cable plugged in, be sure not to touch live sections or motors, etc.

[A] Update procedure

- (1) Write the ROM data to be updated to the download jig (PWA-DWNLD-350-JIG1).
- (2) Turn the power OFF using the main power switch on the right-hand surface of the equipment.
- (3) Unplug the power cable from the outlet.
- (4) Take off the rear cover.

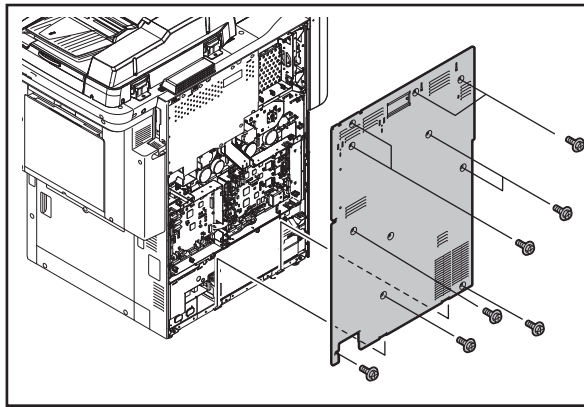


Fig.11-22

- (5) Connect the download jig with the jig connector (CN518) on the PFC PC board (PFC board).

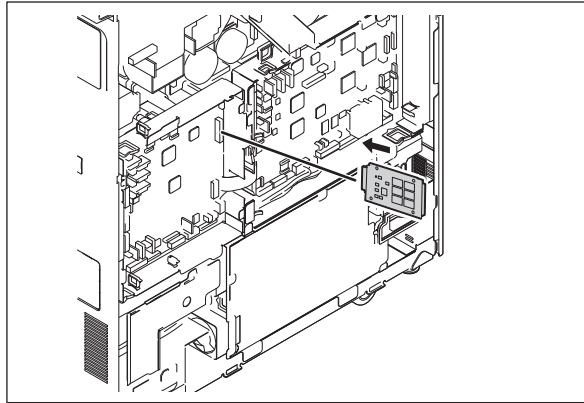



Fig.11-23

- (6) Open the duplexing unit.
- (7) Plug the power cable into the outlet.
- (8) Turn the power ON using the main power switch while simultaneously holding down the [0] and [8] buttons. Updating starts automatically and the LED on the download jig lights.
- (9) When the update is completed properly, the LED (END) on the download jig blinks. The LED starts blinking approx. 15 sec. after the update starts. It is assumed that the update has failed if it does not start blinking even though 1 min. has passed. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.
- Is the download jig connected properly?
 - Is the updating data written on the ROM of the download jig properly?
 - Do the download jig and the equipment operate properly?
- (10) Turn the power OFF using the main power switch on the right-hand surface of the equipment.
- (11) Unplug the power cable from the outlet and remove the download jig.
- (12) Install the cover plate and rear cover, and then close the duplexing unit.
- (13) Plug the power cable into the outlet.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.4 Firmware Updating with K-PWA-DLM-320

The firmware of the equipment (scanner ROM) and the option (RADF ROM, Finisher ROM, FAX ROM) can be updated individually by using K-PWA-DLM-320. Update the ROM data written on each board according to the need such as the case of replacing the board.

Equipment

Firmware	Stored
Scanner ROM (Scanner firmware)	Scanning section control PC board (SLG board)
RADF ROM (RADF firmware)	RADF control PC board (RADF board)

Options

Model name	Firmware	Stored
Finisher (MJ-1103)	Finisher firmware	Finisher control PC board
	Converter firmware	LGC board
Saddle Stitch Finisher (MJ-1104)	Finisher firmware	Finisher control PC board
	Saddle stitcher firmware	Saddle stitcher PC board
	Converter firmware	LGC board
Hole Punch Unit (MJ-6102)	Hole punch unit firmware	Hole punch control PC board
Fax Unit (GD-1270)	Fax unit firmware	FAX board

K-PWA-DLM-320

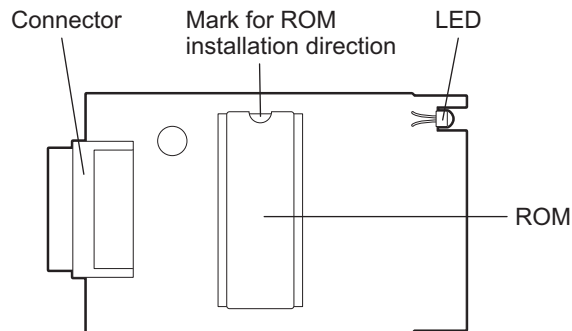


Fig.11-24 Jig board: K-PWA-DLM-320

Important:

Pay attention to the direction of the ROM.

11.4.1 Scanner ROM

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update Procedure

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Take off the top right cover.

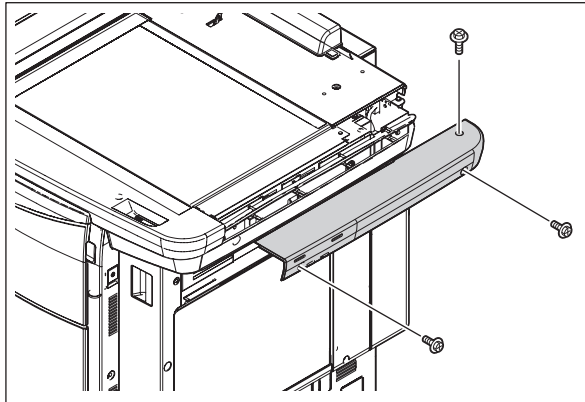


Fig.11-25

- (4) Take off the right top cover.

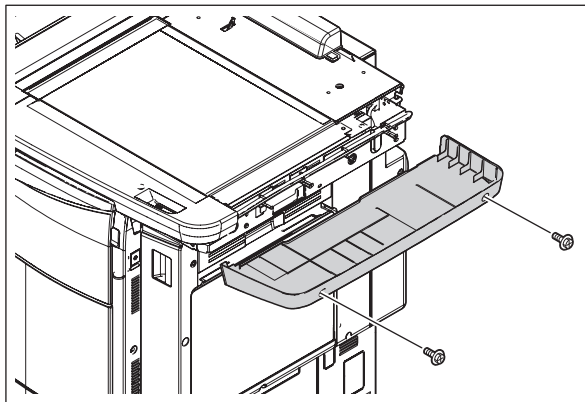


Fig.11-26

- (5) Remove the cover plate.

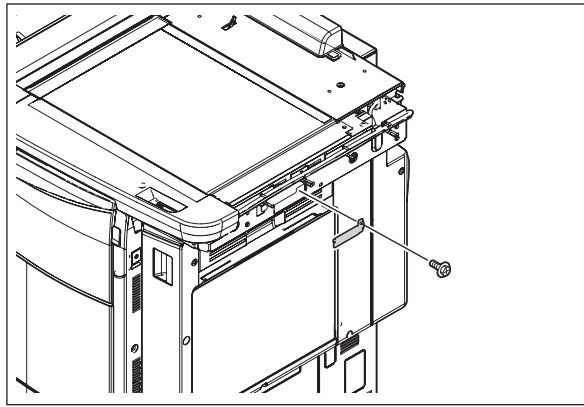


Fig.11-27

- (6) Connect the download jig with the jig connector on the scanning section control PC board (SLG board).

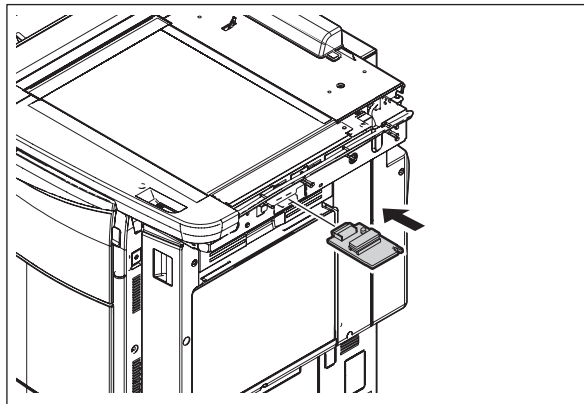



Fig.11-28

- (7) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons. Updating starts automatically and the LED on the download jig lights.
- (8) After the update is completed properly, the LED on the download jig blinks. The LED starts blinking approx. 20 sec. after the update starts. It is assumed that the update has failed if it does not start blinking even though 1 min. has passed. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.
- Is the download jig connected properly?
 - Is the ROM installed to the download jig properly?
 - Is the updating data written on the ROM of the download jig properly?
 - Do the download jig and the equipment operate properly?
- (9) Turn the power OFF using the main power switch on the right-hand surface of the equipment, remove the download jig, and then install the cover plate, top right cover and right top cover.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

Important:

If the exposure lamp blinks twice at the time of start-up and a "C270" error occurs, the model of the scanner ROM updated may be incorrect.


Check the model of the scanner ROM and retry updating.

11.4.2 RADF firmware

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update Procedure

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Take off the upper exhaust fan cover.
 P. 4-7"4.1.19 Upper exhaust fan cover"
- (4) Take off the RADF rear cover.

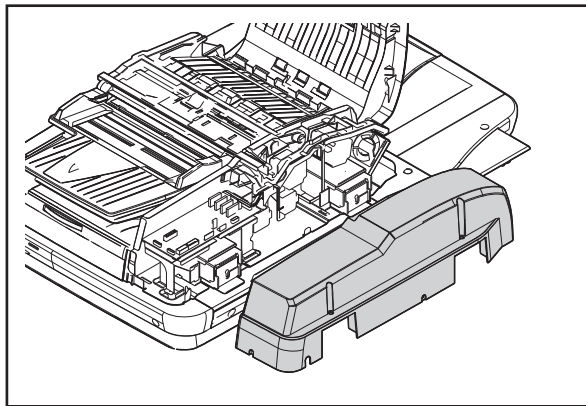


Fig.11-29

- (5) Connect the download jig with the jig connector on the RADF control PC board.

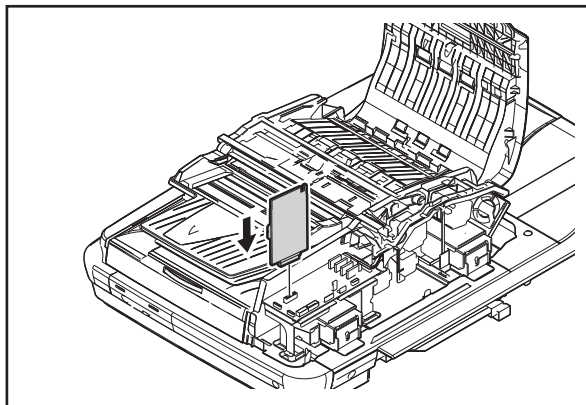


Fig.11-30

- (6) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons.
Updating starts automatically and the LED on the download jig lights.
- (7) After the update is completed properly, the LED on the download jig blinks (at an interval of approx. 1 sec.).


The LED starts blinking approx. 50 sec. after the update starts. It is assumed that the update has failed if it does not start blinking even though 2 min. has passed. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.

- Is the download jig connected properly?
- Is the ROM installed to the download jig properly?
- Is the updating data written on the ROM of the download jig properly?
- Do the download jig and the equipment operate properly?

- (8) Turn the power OFF using the main power switch on the right-hand surface of the equipment, remove the download jig, and then install the RADF rear cover and upper exhaust fan cover.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.4.3 Finisher firmware (MJ-1103/1104)

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update Procedure

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Remove 2 screws and take off the board access cover.

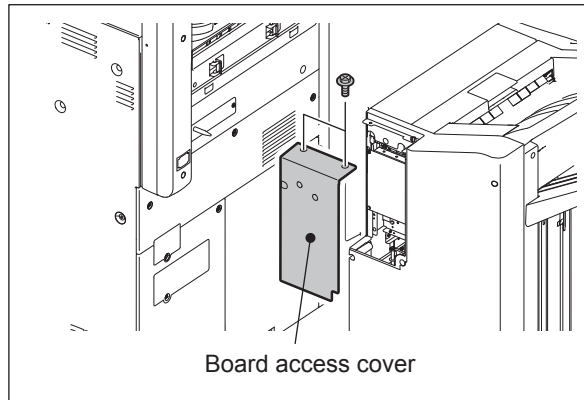


Fig.11-31

- (4) Connect the download jig with the jig connector (CN28) on the Finisher control board.

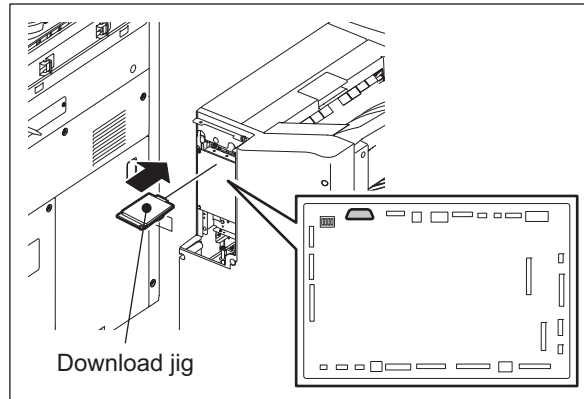



Fig.11-32

- (5) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons.
Updating starts and the LED on the download jig lights.
- (6) When the update completes normally, the LED on the download jig starts blinking.
The LED on the download jig starts blinking approx. 12 seconds after the update started.
It is assumed that the update has failed if the LED does not start blinking even after 20 seconds have elapsed.
In this case, turn the power OFF and check the following items.
Then, clear the problem and restart updating from the beginning.
 - Is the downloading jig connected properly?
 - Is the ROM attached to the downloading jig properly?
 - Has the update data been written correctly to the ROM on the jig?
 - Is the download jig or the equipment damaged?

- (7) Turn the power OFF using the main power switch on the right-hand surface of the equipment and remove the download jig.
- (8) Install the board access cover.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.4.4 Saddle stitcher firmware (MJ-1104)

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update Procedure

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Open the front upper cover and then pull out the saddle unit.
- (4) Loosen 2 screws and turn the saddle control PC board access cover in the direction of the arrow.

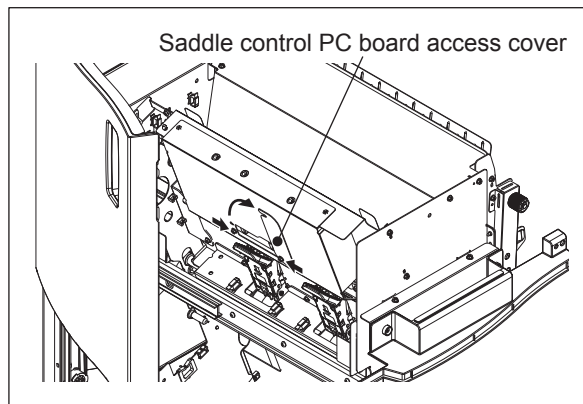


Fig.11-33

- (5) Connect the download jig with the jig connector (CN16) on the Saddle control board.

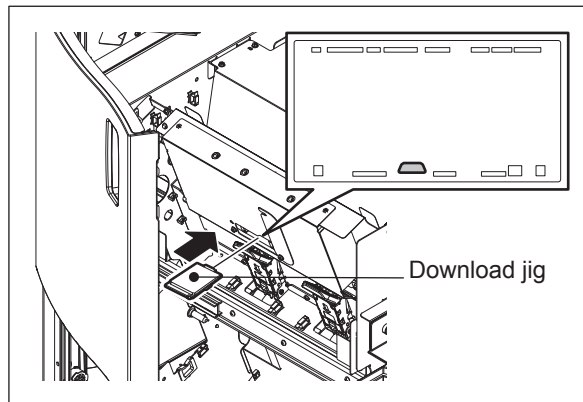



Fig.11-34

- (6) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons.
Updating starts and the LED on the download jig lights.

- (7) When the update completes normally, the LED on the download jig starts blinking.
The LED on the download jig starts blinking approx. 8 seconds after the update started.
It is assumed that the update has failed if the LED does not start blinking even after 15 seconds have elapsed.
In this case, turn the power OFF and check the following items.
Then, clear the problem and restart updating from the beginning.
- Is the downloading jig connected properly?
 - Is the ROM attached to the downloading jig properly?
 - Has the update data been written correctly to the ROM on the jig?
 - Is the download jig or the equipment damaged?
- (8) Turn the power OFF using the main power switch on the right-hand surface of the equipment and remove the download jig.
- (9) Return the saddle control PC board access cover to its original position.
- (10) Set the saddle unit back to the main unit and then close the upper front cover.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.4.5 Hole punch unit firmware (MJ-6102)

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Checking the hole punch position

Follow the procedure below to check the stopping position of the paper transport during the punching operation before updating the firmware, as the value for the position is defaulted when the firmware is updated.

- (1) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (2) Remove the finisher board access cover and change the setting of the DIP-SW1 (SW1) on the finisher control PC board as shown in the figure below.

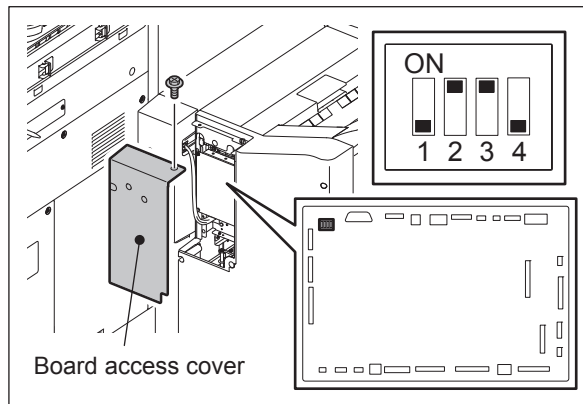


Fig.11-35

- (3) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons. The [LED1] on the finisher control panel starts blinking. Count the number of times it blinks. If the number of blinks is "6", this indicates that the value for the stopping position is the default. If the number is other than "6", record it because the value needs to be reset after the firmware is updated.
- (4) Return the DIP-SW1 to the status before checking.

[B] Firmware update

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Remove 2 screws and take off the finisher board access cover.

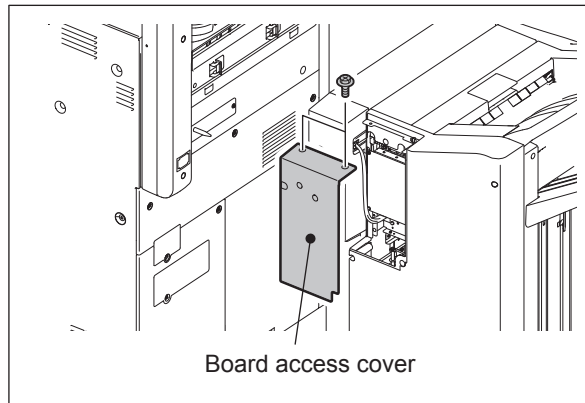


Fig.11-36

- (4) Connect the download jig with the jig connector (CN28) on the finisher control PC board.

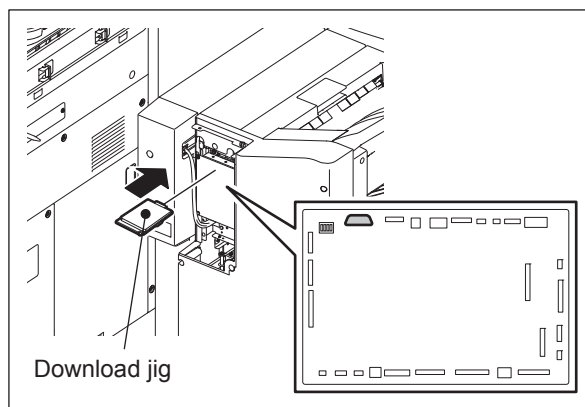


Fig.11-37

- (5) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons.
Updating starts and the LED on the download jig lights.
- (6) When the update is completed normally, the LED on the download jig starts blinking. The LED on the download jig starts blinking approx. 60 seconds after the update started. It is assumed that the update has failed if the LED does not start blinking even after 90 seconds have elapsed, or if it repeats blinking 5 times, going out for 2 sec., blinking twice and going out for 2 more sec. This is a blinking error.
In this case, turn the power OFF and check the following items. Then, clear the problem and restart updating from the beginning.
 - Is the downloading jig connected properly?
 - Is the ROM attached to the downloading jig properly?
 - Has the update data been written correctly to the ROM on the jig?
 - Is the download jig or the equipment damaged?
 - Is the connector (CN25) on the finisher control PC board properly connected with the one (CN5) on the interface PC board?
 - Are the connector (CN4) on the Interface PC board and the connector (CN4) on the hole punch control PC board connected properly?

- (7) Turn the power OFF using the main power switch on the right-hand surface of the equipment and remove the download jig.


Notes:

When the number of blinks is other than “6” (which indicates that the adjustment value is “0”) at the section “[A]Checking the hole punch position”, follow the steps of “5.1 Stopping Position Adjustment” in the MJ-6102 Service Manual to adjust the value to the one that has been set before the update.

- (8) Install the finisher board access cover.

[C] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51"11.5 Confirmation of the updated data"

11.4.6 Converter Firmware (MJ-1103/1104)

Important:

- Be sure to shut down the equipment before installing and removing the download jig.
- Do not shut down the equipment during the update. The data could be damaged and not be able to be operated properly.

[A] Update Procedure

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Remove 2 screws and take off the board access cover.

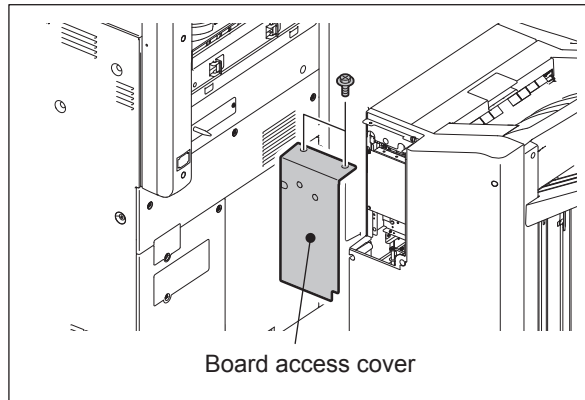


Fig.11-38

- (4) Set the SW1 on the Finisher control board as shown in the figures below.
- (5) Connect the download jig with the jig connector (CN28) on the Finisher control board.

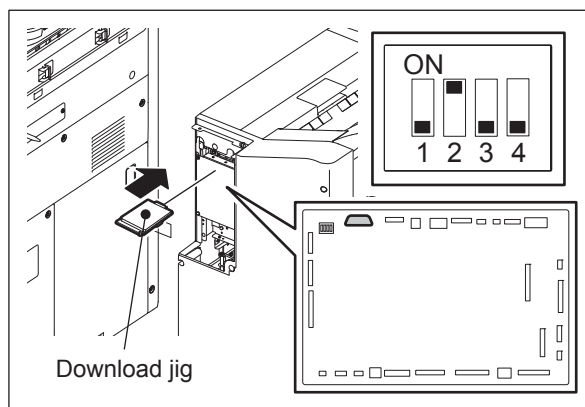



Fig.11-39

- (6) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons.
Updating starts and the LED on the download jig lights.

- (7) When the update completes normally, the LED on the download jig starts blinking.
The LED on the download jig starts blinking approx. 12 seconds after the update started.
It is assumed that the update has failed if the LED does not start blinking even after 20 seconds have elapsed.
In this case, turn the power OFF and check the following items.
Then, clear the problem and restart updating from the beginning.
- Is the downloading jig connected properly?
 - Is the ROM attached to the downloading jig properly?
 - Has the update data been written correctly to the ROM on the jig?
 - Is the download jig or the equipment damaged?
- (8) Turn OFF all bits of the SW1 on the Finisher control board.
- (9) Turn the power OFF using the main power switch on the right-hand surface of the equipment and remove the download jig.
- (10) Install the board access cover.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.4.7 Fax unit firmware (GD-1270)

Important:

- Before updating the FAX ROM, make sure to print out the current Function list for maintenance, Function list (ADMIN), Address book list and Group number information. In case the updating is failed and the registered information of the users is lost for some reason, re-register the user information referring to the lists and recover it.
- Confirm the following items before turning OFF the power of the equipment. Turning OFF the power may clear the data below.
 - Confirm that the "MEMORY RX" LED is OFF and there are no memory reception data.
 - Print the "Mailbox/Relay box report" and then confirm that there are no F code data.
 - Press the [JOB STATUS] button to display the screen and then confirm that there are no memory transmission data.

[A] Firmware update

- (1) Install the ROM to the download jig (K-PWA-DLM-320).
Make sure the direction is correct.
- (2) Press the [ON/OFF] button on the control panel to shut down the equipment.
- (3) Remove the modular cable cover.

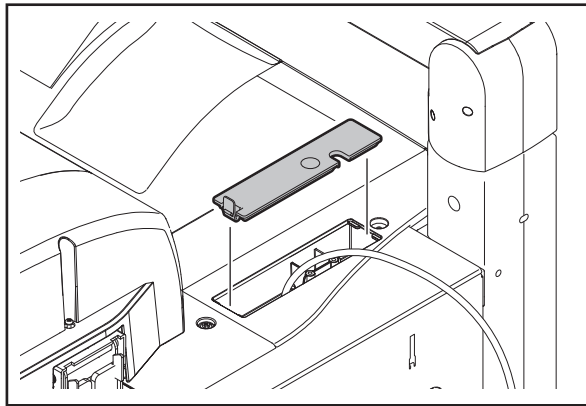


Fig.11-40

- (4) Remove the FAX cover.

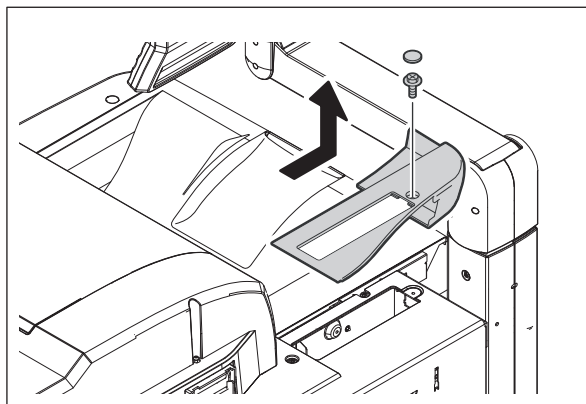


Fig.11-41

- (5) Remove the internal cover.

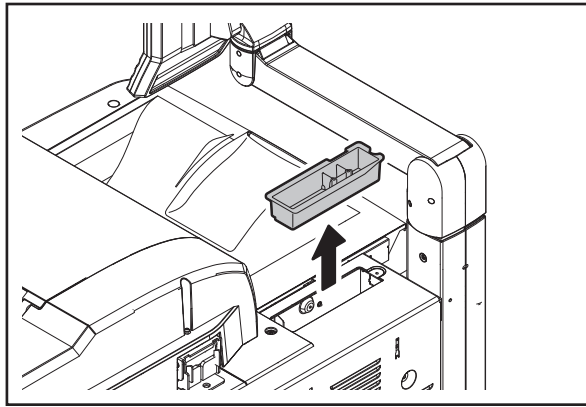


Fig.11-42

- (6) Remove the cover plate.

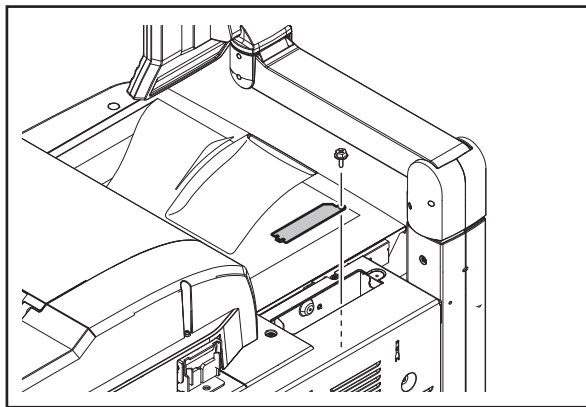


Fig.11-43

- (7) Connect the download jig with the jig connector on the FAX board.

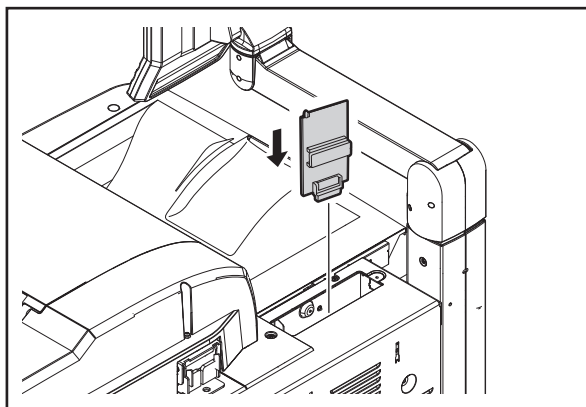


Fig.11-44

- (8) Press the [ON/OFF] button while simultaneously holding down the [0] and [8] buttons. Updating starts automatically and the LED on the download jig lights.

- (9) After the update is completed properly, the LED on the download jig blinks. The LED starts blinking approx. 30 sec. after the update starts. It is assumed that the update has failed if it does not start blinking even though 1 min. has passed. In this case, shut down the equipment and check the following items. Then clear the problems and restart updating from the beginning.
- Is the download jig connected properly?
 - Is the ROM installed to the download jig properly?
 - Is the updating data written on the ROM of the download jig properly?
 - Do the download jig and the equipment operate properly?
- (10) Turn the power OFF using the main power switch on the right-hand surface of the equipment, remove the download jig, and then install the cover plate.
- (11) In the FAX Clearing Mode, perform the "FAX Set Up".
- Confirm the destination setting is correct in the Setting Mode (08).
08-9000: Destination setting of the equipment
08-9001: Destination setting of the FAX machine
 - Turn ON the power while [1] button and [*] button are pressed simultaneously.
 - Key in "100".
 - Press the [START] button.


Notes:

If the equipment does not work properly after the operation (11), follow the procedure below and then perform the "Clearing the image data" in the FAX Clearing Mode to erase the image data in the memory.

- Confirm the destination setting is correct in the Setting Mode (08).
08-9000: Destination setting of the equipment
08-9001: Destination setting of the FAX machine
- Turn ON the power while [1] button and [*] button are pressed simultaneously.
- Key in "102".
- Press the [START] button.

[B] Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

 P. 11-51 "11.5 Confirmation of the updated data"

11.5 Confirmation of the updated data

After the updating is completed, check each data version in Setting Mode (08) to confirm that the data were overwritten properly.

Firmware	Code	Remarks
Updating Master data (HDD program data)	08-8952	HD data external version
	08-9900	System software version
Updating System ROM (OS data)	08-9930	System ROM version
Updating PFC ROM (PFC firmware)	08-9940	PFC ROM version
Updating Engine ROM (Engine firmware)	08-9901	Engine ROM version
Updating Scanner ROM (Scanner firmware)	08-9902	Scanner ROM version
Updating RADF ROM (RADF firmware)	08-9903	RADF ROM version
Updating Finisher ROM	08-9904	Finisher ROM version Saddle stitcher ROM version
	08-9944	Hole punch unit ROM version
	08-9945	Converter ROM version
Updating FAX ROM	08-9905	FAX ROM version


* If "NGD" is displayed for the PFC ROM version (08-9940), the downloading of PFC ROM fails.
Update the firmware again.



 P. 11-52 "11.6 When Firmware Updating Fails"

11.6 When Firmware Updating Fails

When the equipment was shut down during firmware updating or it could not be started after updating for some reason, perform firmware updating again following the procedure below.

11.6.1 Procedure

- (1) Update "System ROM" of the system control PC board (SYS board) using the download jig (PWA-DWNLD-350-JIG1).
Updating with the USB media becomes possible only after the "System ROM" (OS Data) has been updated.
See the updating procedure below for details.
 P. 11-27"11.3.2 System ROM"
- (2) Update "Master Data", "PFC ROM", "Engine ROM", "Scanner ROM" and "RADF ROM" using the USB media.
See the updating procedure below for details.
P. 11-6
- (3) When the update with the USB media for "Scanner ROM" and "RADF ROM" failed, update these ROMs using the respective download jigs in the table below.

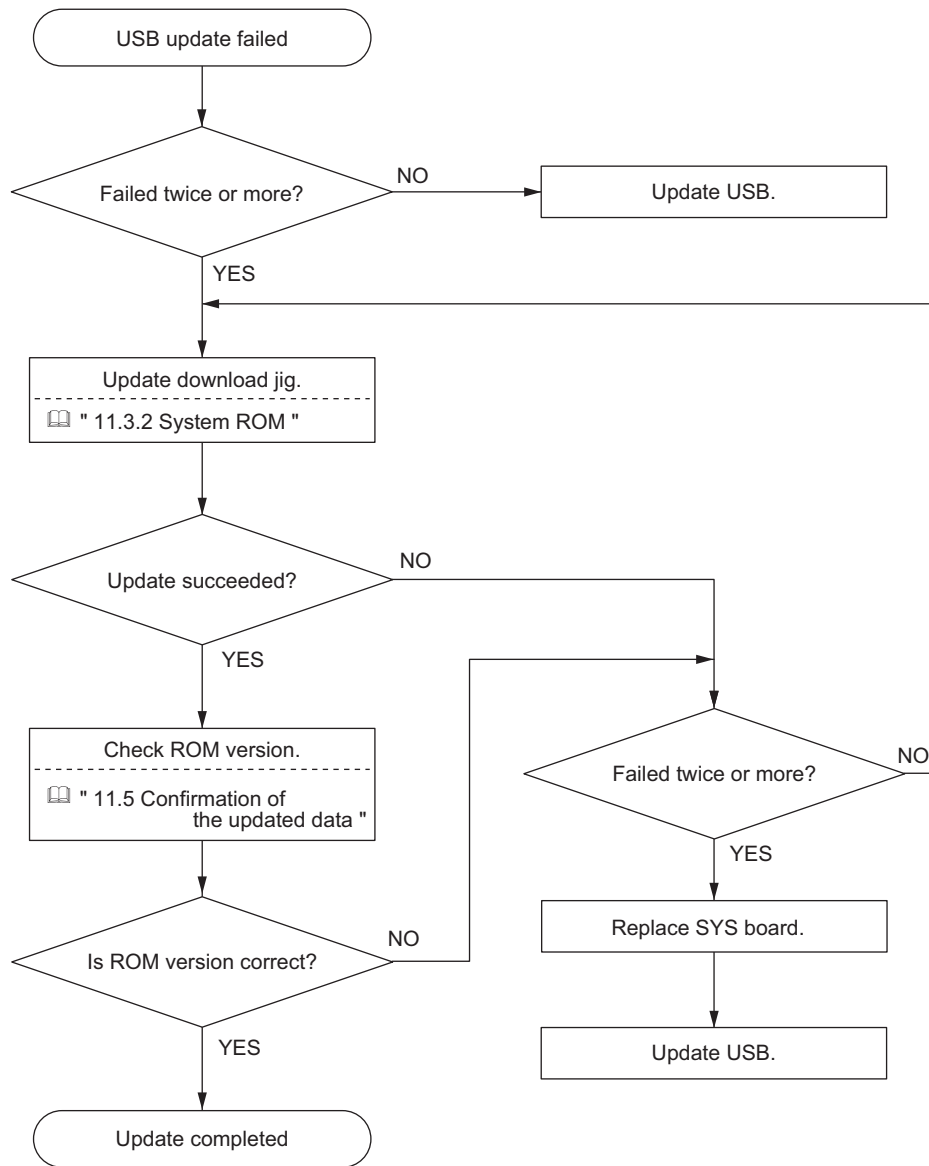
Firmware	Storage location	Download jig
Scanner ROM	Scanning section control PC board (SLG board)	K-PWA-DLM-320  P. 11-34"11.4.1 Scanner ROM"
RADF ROM	RADF board	K-PWA-DLM-320  P. 11-37"11.4.2 RADF firmware"

Important:

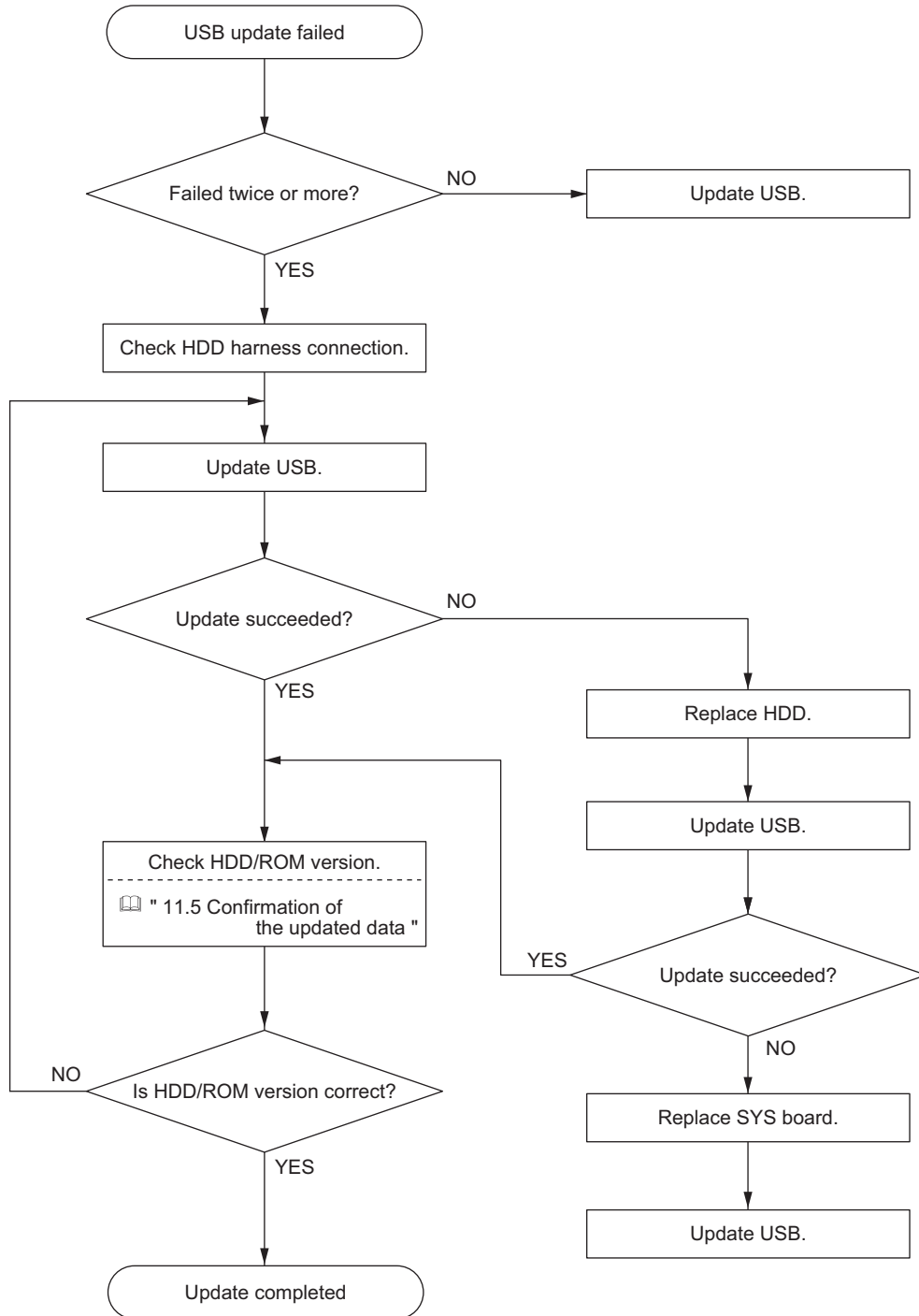
If the equipment cannot be started even when the above update has been performed, check that there is no damage to the "SYS board", "LGC board", "PFC board", "SLG board" or "RADF board". Replace them if necessary.

11.6.2 Flow chart for correcting USB update failure

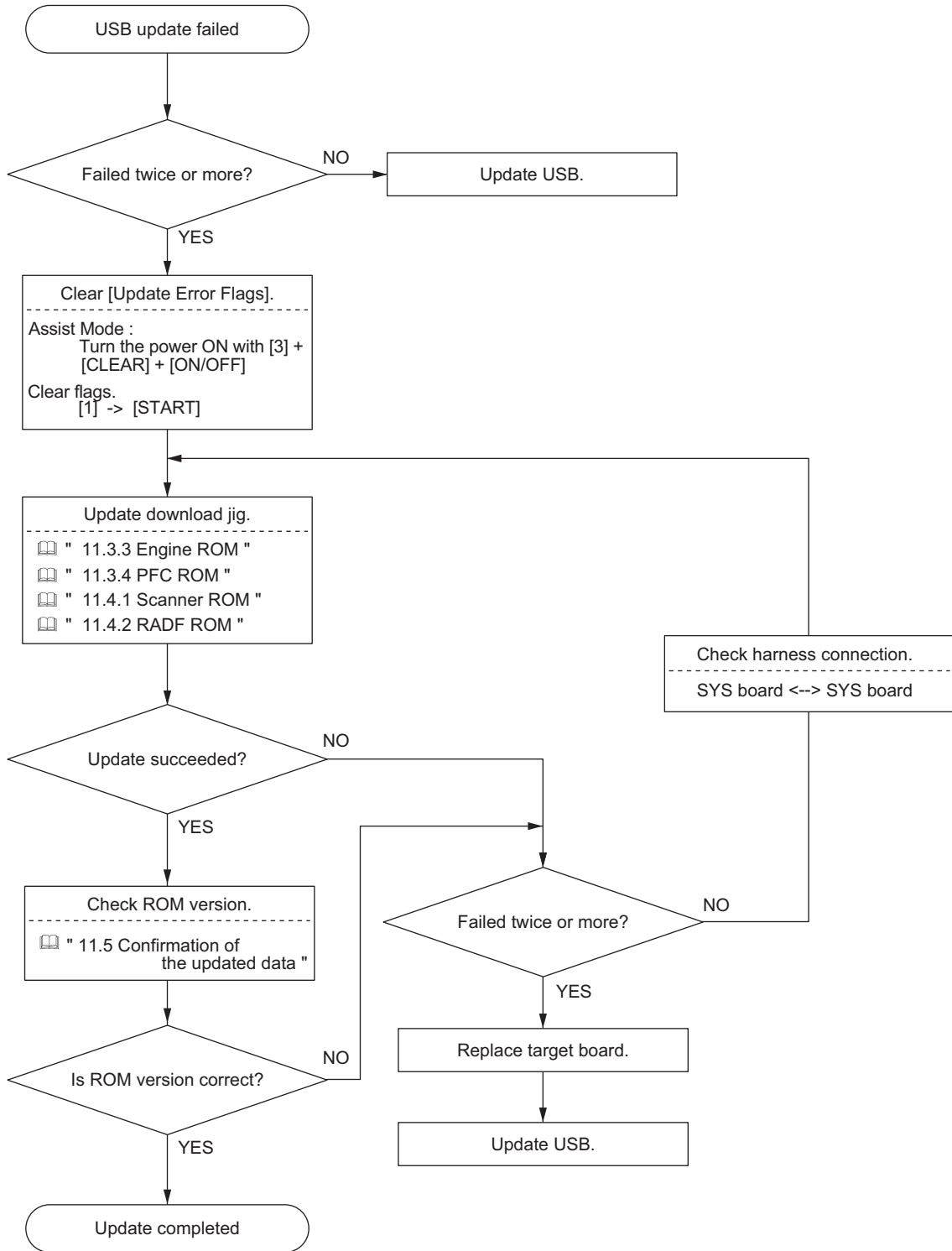
[A] When the update of the System ROM (OS data) failed



[B] When the update of master data (HDD program data) failed



[C] When the update of Engine ROM / PFC ROM failed / Scanner ROM / RADF ROM failed



12. BACKUP FUNCTION

12.1 Data Cloning

12.1.1 General description

Data cloning is a function that backs up user data, setting data and SRAM data into a USB media and also restores these data into the equipment.

This function backs up or restores the data of the same equipment (same serial number), and is performed in the following cases.

- When the SYS board and the SRAM board are replaced at the same time.
- When the SRAM board is replaced.

12.1.2 Precautions

- It is assumed that data cloning is to be performed when equipment is installed or options are installed. If the address book has been registered, do not perform restore. Registered / set data are lost.
- The USB media for the data cloning must meet the following conditions. A data cloning operation with any devices other than the following will not be guaranteed.
 - A combination USB medium with a flash memory (to be connected directly to the USB port) having a capacity of 1 GB or more.
 - A device compliant with the following specifications established by USB-IF (USB Implementers Forum)

Class number:	8 (=08h)	(Mass storage class)
Sub-Class number:	6 (=06h)	(SCSI transfer command set)
Protocol number:	80 (=50h)	(Bulk-only)
 - Most of the common USB medias are compliant with the above specifications and are therefore applicable to this data cloning. However, most of these devices were originally developed to be used in an environment for PCs (e.g. Windows or Macintosh) and thus operations exclusively with this equipment have not been fully guaranteed. Therefore, the user must thoroughly check in advance whether there will be any problem in operating with this equipment when adopting one of these devices.
- The USB medias compliant with both USB 1.1 and USB 2.0 can be used for this data cloning.
- Data cloning with any storage devices other than a flash memory (e.g. USB-connectable memory card reader, CD/DVD drive, hard disk) will never be guaranteed. Therefore never use them for this operation.
- Be sure to unplug the LAN cable and Fax line before data are backed up / restored. Also, do not use the RADF and open the cover, drawer, etc. during the data cloning.
- Data can be backed up / restored only for the same model and version. If the version is different, update the firmware and back up / restore data in the same version.
- Restore data to equipment which has the same options as when the data are backed up.
- Delete the backed up data in the USB media after the data cloning.

12.1.3 Backup files

The following files are saved in the root directory of the USB media by backing up.

Filename	Remark
Modelname_MFPSerialNo_yyyy-MM-dd_hh-mm	E.g.: When backup was performed at 13:59 on October 1st, 2010. T130_CUK911379_2010-10-01_13-59

12.1.4 Cloning procedure

[A] Backup procedure

- (1) Shut down the equipment.
- (2) Connect the USB media [1] to the USB port [2] on the right upper cover.

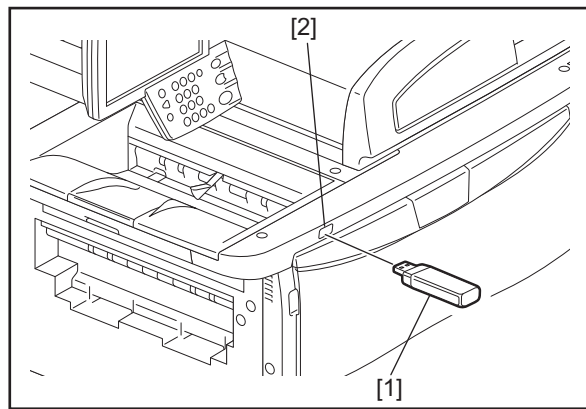


Fig.12-1

Notes:

Backing up cannot be performed with multiple USB media connected at the same time.

- (3) Turn the power ON while pressing the [5] and [9] buttons simultaneously.
- (4) Enter the password, and then press the [OK] button.
(If the password is not set for Service, press the [ENTER] button without entering anything.)
- (5) Select "1. Backup SRAM Data to USB", and then press the [START] button.
- (6) Enter a password (max. 15 characters) set for the backup data.
- (7) "Backup Successfully done" is displayed on the LCD screen when the backup has been properly completed.
- (8) Turn the power OFF after the backup is completed.

[B] Restore procedure

- (1) Shut down the equipment.
- (2) Connect the USB media [1] to the USB port [2] on the right upper cover.

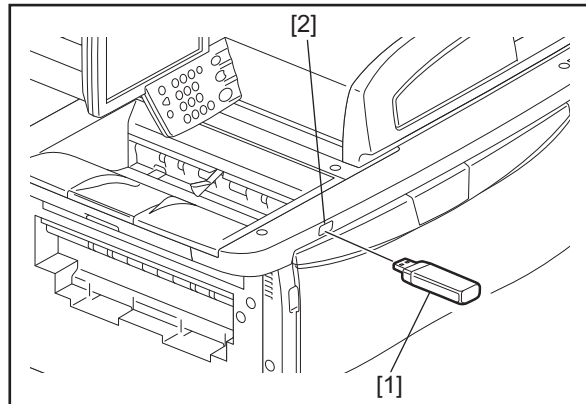


Fig.12-2

Notes:

Restoring cannot be performed with multiple USB media connected at the same time.

- (3) Turn the power ON while pressing the [5] and [9] buttons simultaneously.
- (4) If "3" is set for 08-8911, enter the password.
- (5) Select "2. Restore SRAM Data from USB", and then press the [START] button.
- (6) Enter a password (max. 15 characters) set for the backup data.
- (7) Enter the serial number of the backup file.
- (8) "Restore successfully done" is displayed on the LCD screen when the restoring has been properly completed.
- (9) Turn the power OFF after the restoring is completed.

Notes:

When the back-up file is restored, do not perform HDD partition creation (Format HDD) before the normal start-up.

[C] Confirmation of the error

“Backup Failed” is displayed on the lower left part of the LCD screen when the data have not been properly backed up or restored.

Moreover, details of an error are displayed under the above message.

(The following is an example screen when “USB device not detected” is displayed.)

Download Storage Firmware Update Mode	Firmware Version : x. x. x. x
	Update Mode : 59 Mode
Select number (1-2) and press START key	
→ 1: Backup SRAM Data from USB	
Backup Failed USB device not detected	

Fig.12-3

In this case, turn the power OFF and then check the following items. After confirming and solving the problem, back up / restore the data again from the beginning.

- Does the USB media meet the conditions being used for this cloning?
- Is the updated program file written on the USB media properly?
- Is the USB media installed properly?
- Is the USB media or the equipment damaged?

Backup	
Display content	Error content
USB device not detected	The USB media has not been installed.
SRAM Device Not Connected	The SRAM board (for the SYS board) has not been installed.
Backup not created	Creation of the Backup file of data of the SRAM board (for the SYS board) has been failed.
Encryption Failed	An encryption of the backup file has been failed.
password Not Appended to Backup	Addition of the encryption password has been failed.
MFP Serial Number Not Set	Acquisition of the MFP Serial No. has been failed.

Restore	
Display content	Error content
USB device not detected	The USB media has not been installed.
SRAM Device Not Connected	The SRAM board (for the SYS board) has not been installed.
Invalid Backup File	The SYS board has not been recognized.
No Backup File Exists	Backup file has not existed in the USB media.
Invalid password	An incorrect password has been entered.
Decryption Failed	Decoding of the backup file has been failed.

Restore	
Display content	Error content
Invalid MFP Serial Number: xxxxxxxx	An incorrect MFP Serial No. has been entered.
MFP Serial Number Not Set	Acquisition of the MFP Serial No. has been failed.
Backup File Corrupted	A backup file has been damaged.

12.2 AES Data Encryption Function Setting

12.2.1 General description

Data encryption is a function that encrypts data in the HDD to enhance the security. Note that this function may affect the equipment performance.

12.2.2 Precautions

When the data encryption function is set enabled, data currently stored in the HDD will not be retrieved. Therefore when data encryption function needs to be enabled after the installation of the equipment, it is necessary to back up the data in the HDD before setting this function and then recover them after the setting.

- To ensure security, ask the user (machine administrator) to back up or restore the user's data and information in the HDD. A service technician can back up or restore them only when the user (machine administrator) permits it.
- Some data in the HDD cannot be backed up and can be left only on printouts.

12.2.3 Setting procedure

A procedure for setting the data encryption function is shown below.

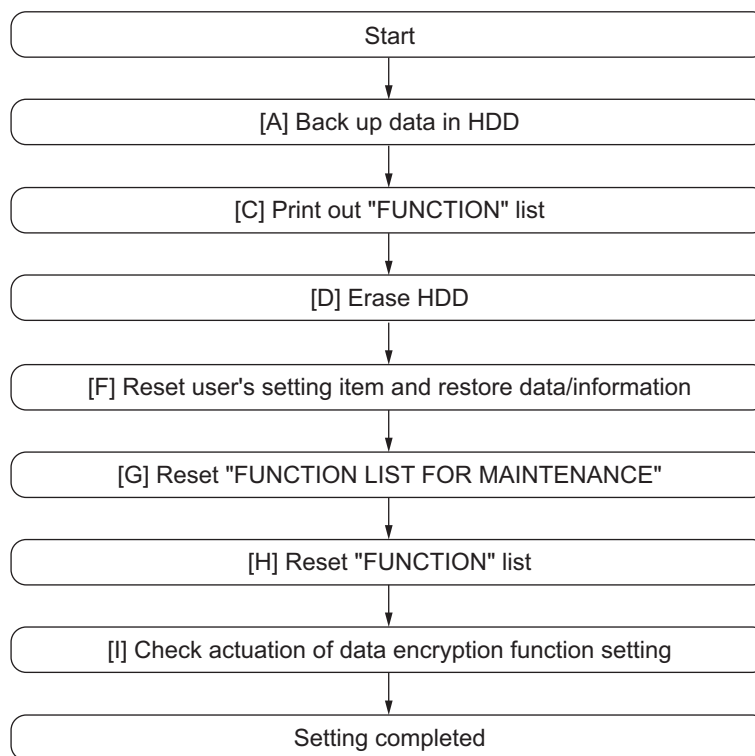



Fig.12-4

[A] Back up in HDD

Ask the user (machine administrator) to back up the data in the HDD. Refer to the table below for the type of data, availability and method of backup.

Type of data in HDD	Availability	Backup method
Image data in the e-Filing	Available	Archive them in the "e-Filing" of TopAccess. As for the backup in Box data, all data (selectable by the box) can be backed up / restored in one go by using "e-Filing Backup/Restore Utility".
F-code information, Template registration information, Address book data	Available	Export them up in the "Administrator" menu of TopAccess.
Department management data	Available	Export them in "Administrator" menu of TopAccess.
Log data (Print, Scan, FAX (Transmission/Reception))	Available	Export them in the "Log" menu of TopAccess. (Import cannot be performed.)
Data in the shared folder (Scanned data, Saved data of copy / FAX transmission) / Message Log	Available	Copy them to the client computer via the network. (The data which have been copied to the client computer cannot be copied to the shared folder.)
Role information	Available	Export role information on the TopAccess menus. [User Management] tab > [Export]
Print waiting data (Copying data and FAX reception data that are waiting to be printed due to the paper run-out and jam, etc.)	Not available	Finish printing them after the paper supply and the jam release, etc. (The data cannot be kept.)
Print job (Private print data, Schedule print data)	Not available	If any jobs are left, print them. (The data cannot be backed up.)
FAX saved data (Confidential / Bulletin board data)	Not available	Print them. (The data cannot be backed up.)
Registration data for FAX transmission (Delayed transmission / Recovery transmission)	Not available	Print them. (The data cannot be backed up.)

[B] Print out "FUNCTION LIST FOR MAINTENANCE"

- (1) Enter the Service Mode.
 P. 5-5"5.2 Service UI"
- (2) Select "FAX LIST PRINT MODE" and then press [NEXT].
- (3) Select "Function list for Maintenance" and then press [PRINT].

[C] Print out "FUNCTION" list

- (1) Press the [USER FUNCTIONS] button.
- (2) Press the [ADMIN] button, enter the password, and then press the [ENTER] button.
- (3) Press the [LIST/REPORT] button and then the [LIST] button.
- (4) Press the [FUNCTION] button. The "FUNCTION" list is printed out.

Notes:

Explain the procedure to the user (machine administrator) and ask him/her to enter his/her password.

[D] Enable data encryption function

Perform the setting of the data encryption function in the code 08-9379. The setting values are shown below.

- 0: Encryption disabled
- 1: Encryption enabled (Security priority)
- 2: Encryption enabled (Performance priority)

Security priority: All user data are encrypted.

Performance priority: Encryption data are generated only in a copying or a printing process temporarily. All user data except files which are deleted in a corresponding process are encrypted.

[E] Reset user's setting items and restore data/information

Ask the user (machine administrator) to reset the user's setting items and to restore data or information. Refer to the following for the reset and restore:

Items to reset/restore	Method
Printer driver	Upload them in the "Administrator" menu of TopAccess.
F-code information, Template registering information, Address book data	Restore them in the "Administrator" menu of TopAccess.
Department management data	Import them in the "Administrator" menu of TopAccess.
Image data in the e-Filing	Restore them in the "e-Filing" of the TopAccess.
Role information	Import role information on the TopAccess menus. [User Management] tab > [User Confirm/Create/Modify] > [Role Information]

* When the SSL is enabled, perform the setting of the following items again with "Create self-certificate" of TopAccess.


- Country Name
- State or Province Name
- Locality Name
- Organization Name
- Organizational Unit Name
- Common Name
- Email Address

* When wireless LAN is used, perform the setting again on the LCD panel. (only when security with a certificate is used)

Also, upload the following certificate file with "Install Certificate for Wireless LAN" of TopAccess.

- CA certificate
- User certificate

[F] Reset "FUNCTION LIST FOR MAINTENANCE"

- (1) Print out the "FUNCTION LIST FOR MAINTENANCE" list after the formatting. For how to print it out, refer to  P. 12-7"[B] Print out "FUNCTION LIST FOR MAINTENANCE"".
- (2) While pressing [1] and [3] simultaneously, turn the power ON. (Function Mode)
- (3) Compare the lists which were printed before and after the formatting to check the setting items having the different setting values. Set the value which was set before the formatting.
- (4) Turn the power OFF.

[G] Reset "FUNCTION" list

- Reset the fax function by referring to the "function list" that was printed out in [P. 12-7](#)"[C] Print out "FUNCTION" list".
 - Press the [USER FUNCTIONS] button.
 - Press the [ADMIN] button, enter the password, and then press the [ENTER] button.
 - Press the [FAX] button and then the [TERMINAL ID] button to set each item.
 - Press the [INITIAL SETUP] button to set each item.

Notes:

Explain to the user (machine administrator) about the next operation and ask him/her to enter his/her password.

[H] Check actuation of data encryption function setting

Check if the data encryption function is in operation.

- Press the [COUNTER] button on the control panel. If a key-shaped icon is displayed at the top right of the screen, the data encryption function is in operation.

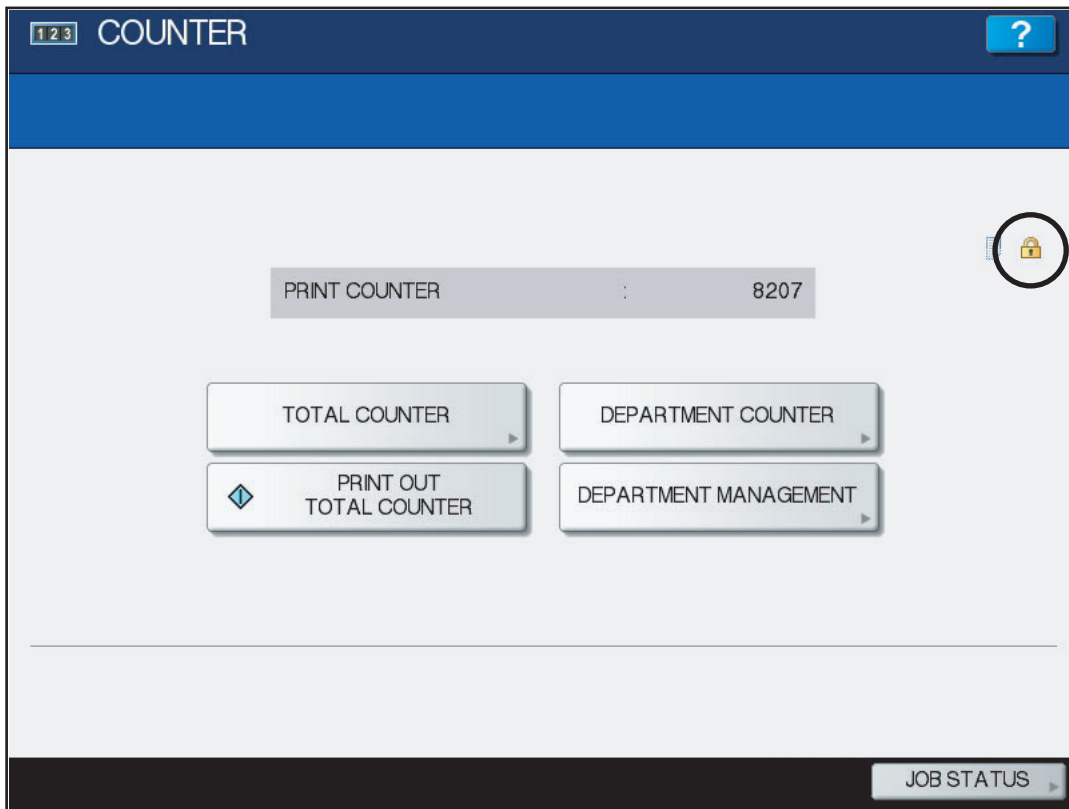


Fig.12-5

12.2.4 Procedure for disabling data encryption function

The basic procedure is the same as the one for enabling this function. To disable it, set "0 (Invalid)" in the code 08-9379 at step [P. 12-8](#)"[D] Enable data encryption function".

12.2.5 Procedure for discarding HDD when data encryption function is enabled


Set the data encryption function disabled following the procedure shown in [P. 12-9](#)"12.2.4 Procedure for disabling data encryption function". Then perform the code 3C->6: Erase HDD Securely (HDD securely erasing) to completely erase the data in the HDD.

12.3 High Security Mode

12.3.1 General description

The High Security Mode is a security mode complying with the IEEE2600.1 Security Standards Requirement. To have the equipment enter this mode, follow the procedure and the precautions below.

12.3.2 Prior confirmation

- Confirm that the administrator for the equipment is authorized and ask him/her to observe the installation.
- To have the equipment enter the High Security Mode, the Data Overwrite Enabler GP-1070 (optional) is required. Confirm that this option is installed in advance. Follow the Unpacking Instructions to install it.
- To avoid physical security problems, such as hardware removal or inappropriate disassembly at the installation site, take all necessary measures, such as checking who enters and leaves the site.
- Confirm that no received fax data or print jobs in progress exist. If there are any, be sure to print them all out before entering the High Security Mode.
- The HDD is initialized in the High Security Mode. Be sure first to back up user data such as documents, Address Book, templates or fax settings using the export function or the backup/restore utility of the TopAccess. Refer to items noted in  P. 12-6"12.2 AES Data Encryption Function Setting".
- Make a note of the settings on the Administration tab page of the TopAccess in advance.
- Compatibility of cloning data is lost between the High Security Mode and the normal mode; therefore, cloning data cannot be imported.

Downloaded from	Downloaded to	Compatibility of cloning data
Normal mode	Normal mode	Yes
Normal mode	High Security Mode	No
High Security Mode	Normal mode	No
High Security Mode	High Security Mode	Yes

12.3.3 Procedure for entering the High Security Mode

- (1) Set the value of the code 08-8911 (Security mode level setting) to "3" (High). Then restart the equipment.
- (2) A key-shaped icon appears at the bottom of the touch panel, indicating that it is now in the High Security Mode.
- (3) Press [COUNTER] button on the control panel. If a key-shaped icon, indicating that the HDD data are being encrypted, a paper-shaped icon indicating that the Data Overwrite Enabler is operating normally and the version name of the installed system ROM (e-STUDIO5540C/6540C/6550C: SYS V5.0 / e-STUDIO5560C/6560C/6570C: SYS V3.0) are displayed on the top right of the counter menu, this means the mode is operating normally.
- (4) Reset the user data backed up in advance.

12.3.4 Precautions

- In the High Security Mode, an integrity check system is operated at every restart. If F521 (integrity check error) is displayed, take the necessary measures following the troubleshooting procedure.
- When a self-diagnostic mode is started in the High Security Mode, an authentication screen appears. Enter the default user name and password as follows:
Default user name: service
Default password: #1048#
- If a password change screen appears, reset the password according to the rules below.
 - It must not include the user name.
 - It must be a combination of letters of the alphabet and numbers.
 - It must be 6 characters or more. (Maximum 64 characters)
 - The same character must not be repeated 4 times within the new password.
 - The old and the new passwords must not be the same.

- In the High Security Mode, restrictions are set to the following self-diagnostic codes:

Code	Contents
08-8910	The setting value is changed to "2". "0" is not settable.
08-8911	The setting value is changed to "3".
08-8924	The setting value is changed to "1". Values other than "1" are not settable.
08-9110	"0" is not settable.
08-9193	If "0" is set for the value, the setting will not comply with IEEE2600.1 Security Standards Requirement.
08-9379	The setting value is changed to "1".
08-9819	The setting value is changed to "1". If "0" is set for the value, the setting will not comply with IEEE2600.1 Security Standards Requirement.

- In the above case, the password is not reset. The password setting can be changed with the code 08-8919.
- The HDD is initialized (and the saved user data are deleted) when the equipment returns to the normal mode from the High Security Mode. Be sure to back up user data before having it do so.
- After the equipment enters the High Security Mode, ask the administrator for the equipment to select [FULL] and perform the Integrity check manually.

13. EXTERNAL COUNTERS

13.1 Outline

This specification describes the interface between external counters, such as Coin Controller and Key Counter.

13.2 Signal

Notes:

Regarding the output signals of MP6H1 or 2SC5712 (CTRON), use 24V supplied from the equipment side as power.

13.2.1 Pin Layout

1. Connector on the LGC board: CN318 (JST-made B16B-CZWHK-B-1(LF)(SN)) (Coin Controller)

Pin No.	I/O	Signal name	Function	Voltage level	Remarks	GQ-1200	GQ-1210
A1	Power	+24V	24V line	DC24V+10%, -5%	When cover opened: OFF	In use	In use
A2	Out	CTRON	Total Counter On Signal	Open Collector (MP6H1/2SC5712)	L: ON	In use	In use
A3	In	CTRCNT	Copy permission Signal 1	L=0V, H=DC5V	L: Allowed	In use	In use
A4	Out	MCRUN	Ready to Copy Signal	Open Collector (SN7407/UMH10NTN)	L: Operating	In use	In use
A5	Out	EXTCTR	Exit Sensor On Signal	Open Collector (SN7407/UMH10NTN)	L: ON	In use	-
A6	GND	PG	Power ground	0V		In use	-
A7	Out	BKCTR	Black mode Counter Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
A8	Out	MNCTR	Mono color mode Counter Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
B1	Out	FLCTR	Full color mode Counter On Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
B2	GND	SG	Signal Ground	0V		-	In use
B3	Out	SIZE3	Paper size Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
B4	Out	SIZE2	Paper size Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
B5	Out	SIZE1	Paper size Signal	Open Collector (SN7407/UMH10NTN)	L: ON	-	In use
B6	Out	SIZE0	Paper size Signal	Open Collector (SN7407/DTC123J)	L: ON	-	In use
B7	Power	+5V (Sleep)	5V line	DC5V+5%, -4%	At the sleep mode:OFF	In use	In use
B8	In	NC.	-	-		-	-

2. Connector on the SYS board: CN127 (JST-made B7B-PH-SM4) (Coin Controller)

Pin No.	I/O	Signal name	Function	Voltage level	Remarks	GQ-1200	GQ-1210
1	Out	LARGE / SMALL	Paper size Signal	Open Drain (LCX07)	L: Large size	In use	-
2	Out	FULL COLOR	Full color mode Signal	Open Drain (LCX07)	L: Full color	In use	-
3	Out	TWN/MON COLOR	Twin color / Mono color Mode Signal	Open Drain (LCX07)	L: Twin colors	In use	-
4	Out	B/W	Black mode Signal	Open Drain (LCX07)	L: Black	In use	-
5	-	N.C.	-	-		-	-
6	GND	GND	Signal Ground	-		In use	-
7	-	N.C.	-	-		-	-

3. Connector on the LGC board: CN317 (AMP-made 292132-4) (Key Counter)

Pin No.	I/O	Signal name	Function	Voltage level	Remarks	GQ-1200	Key counter
1	GND	SG	Signal Ground	0V		-	In use
2	In	KCTRC	Key Counter Connection Signal	L=0V, H=DC5V	L: Connected H: Not connected	-	In use
3	Power	+24V	24V line	DC24V+10%, -5%	When cover opened: OFF	-	In use
4	Out	KCTRON	Key Counter On Signal	Open Collector (MP6H1/2SC5712)	L: ON	-	In use

13.2.2 Details of the signals

1. CTRON signal and KCTRON signal (output signals)

These signals are synchronized with electronic counter of the equipment and they become “Low” when one sheet of paper is counted up. They are the signals for the coin controller and key counter, and output from the LGC board. Since MP6H1 or 2SC5712 is used as the driver, the mechanical counter can be driven directly.

Only with the KCTRON signal, the counter will make “Double count” if 08-6010 (count setting of large size paper) is set to “1” or “2”.

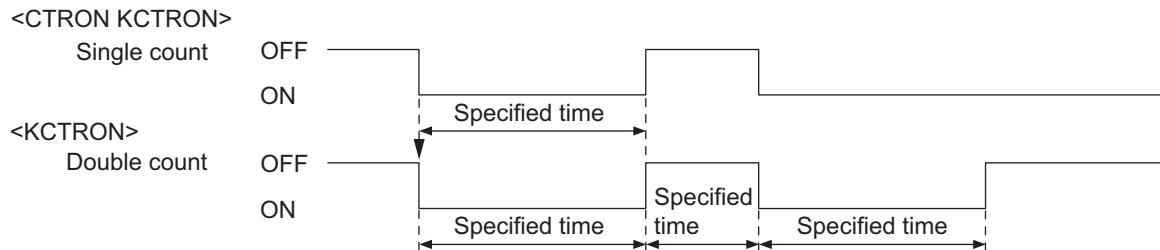


Fig.13-1

2. CTRCNT signal and KCTRRC signal (input signals)

The CTRCNT signal enables to accept copies when the coin controller is connected, and copies can be accepted with “Low”. In case of “High”, “Set Key Counter” appears and copies cannot be made.

The KCTRRC signal enables to accept copies when the key counter is connected, and copies can be accepted with “Low”. In case of “High”, “Set Key Counter” appears and copies cannot be made.

3. MCRUN signal (output signal)

The MCRUN signal is changed to “Low” during copying. It becomes “Low” at specified time or more before the CTRON signal becomes ON, and becomes “High” at specified time or more after the EXTCTR signal becomes OFF.

However, if copying is interrupted due to forced toner supply or similar, this signal is “High” until the copying is available.

This is the signal for the coin controller.

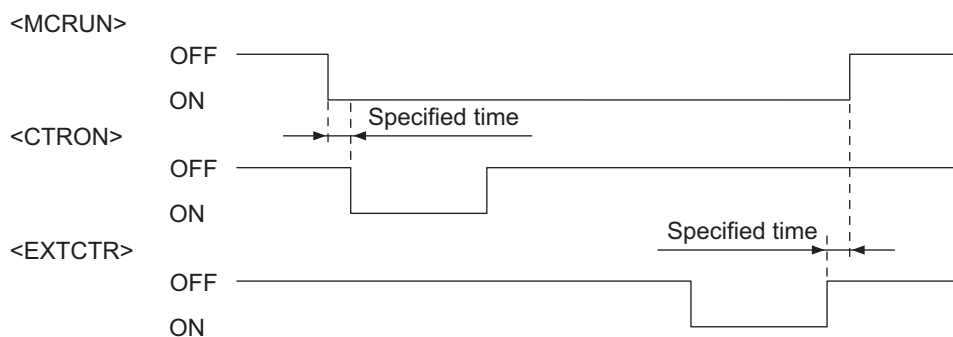


Fig.13-2

4. EXTCTR signal (output signal)

The EXTCTR signal is synchronized with "Exit sensor ON" and becomes "Low" (ON) for specified time. The coin controller counts the number of times with this signal.

This is the signal only for the coin controller.

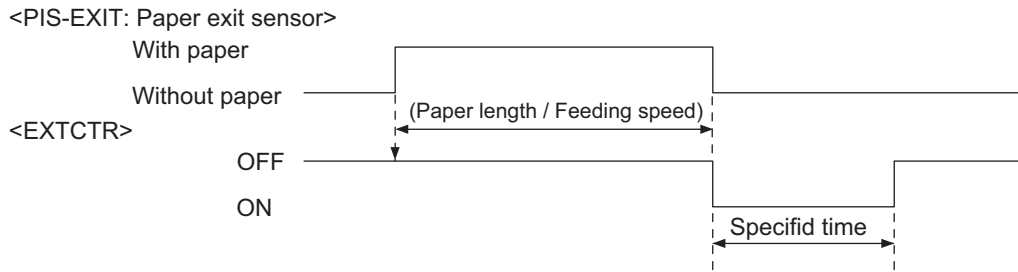


Fig.13-3

5. BKCTR signal, MNCTR signal, FLCTR signal (output signal)

These signals become "Low" (ON) synchronizing with the CTRON signal according to the copying mode used. The pulse width corresponds to the fixed time. Though the CTRON signal is set to "Double count", they are not outputted synchronizing with the second count signal.

6. SIZE3, SIZE2, SIZE1, SIZE0 signal (output signal)

These 4 signals are outputted in the combination of 4 sizes for the paper to be copied. They are the signals for the coin controller, and are outputted from the LGC board.

7. LARGE/SMALL signal (output signal)

When large size paper (A3 / A3 wide / LD) is selected or paper size is not specified with the manual feeding, it outputs "Low" in real time. In other cases, it outputs "High". The setting change for large size paper is performed with F/W.

This is the signal only for the coin controller.

8. FULL COLOR signal (output signal)

If the full color mode is selected, it outputs "Low" in real time. In other cases, it outputs "High". By default, it outputs "Low" since it is set as full color mode.

This is the signal only for the coin controller.

9. TWN / MON COLOR signal (output signal)

If the twin color or mono color mode is selected, it outputs "Low" in real time. In other cases, it outputs "High". This is the signal only for the coin controller.

10. B/W signal (output signal)

If the black mode is selected, it outputs "Low" in real time. In other cases, it outputs "High". This is the signal only for the coin controller.

13.3 Notices

13.3.1 Setting code

Each signal will be enabled by configuring the setting code “08-9016” (Counter installed externally).

08-9016

- 0: No external counter (Default)
- 1: Coin controller
- 2: Card controller (For Japan only)
- 3: Key copy counter
- 4: Card controller for OEM1
- 5: Coin controller supporting ACS/mixed-size

13.3.2 Setting value change and restrictions when using the Card controller

1. Setting value
 - 08-9016 (Counter installed externally): Set to “2” (Card controller).
 - 08-9017 (Setting for counter installed externally): It should be charged precisely according to the usage.
Example: To charge only when copies are made, set to “1”.
 - 08-6011 (Definition setting of large sized paper): Set to “0” if only A3 and LD are regarded as large size. Set to “1” if B4, LG, FOLIO and COMP are done so as well.
2. Restrictions
 - 08-6010 (Large size double count setting): Set to “0” (Single count).

13.3.3 Setting value change and restrictions when using the coin controller

08-9016 (Externally installed counter): Set to “1” (Coin controller) or “5” (Coin controller supporting ACS/mixed-size).

Notes:

- A coin controller supporting ACS (Auto Color Selection) can be connected by setting to “5” (Coin controller supporting ACS/mixed-size). However, operation is not guaranteed unless the specification for the ACS timing is met.
- Mixed-size jobs will be supported by setting to “5”. The switching process of the size signal is carried out for each page.
- Be sure to make the following charge settings appropriately according to the usage.
 - 08-9017 (Setting for counter installed externally): To charge only when copies are made, set to “1”.
 - 08-6011 (Definition setting of large sized paper): Set to “0” if only A3 and LD are regarded as large size. Set to “1” if B4, LG, FOLIO and COMP are to be so as well.

13.3.4 Setting value change and restrictions when using the key counter

1. Setting value
 - 08-9016 (Counter installed externally): Set to “3” (key counter)
 - 08-9017 (Setting for counter installed externally): It should be charged precisely according to the usage.
Example: To charge only when copies are made, set to “1”.
2. Restrictions
 - For 08-6011 (Large size double count setting), set to “0” when A3 and LD are specified as the large size, and set to “1” when B4, LG, FOLIO and COMPUTER are specified as the large size in addition to A3 and LD.

13.3.5 Installation of External Counter

It is not allowed to install more than one external counter (Key Counter, Card controller and Coin controller) at the same time. Physically, the card controller and coin controller cannot be installed together since the output signals are in common.

13.3.6 Restrictions when using the external counter

The Job Skip function will be disabled when an external counter is installed (when a value other than "0" is set for 08-9016).

Therefore, if printing is attempted while a counter or a coin controller is used, all jobs stored in the HDD may be printed.

14. WIRE HARNESS CONNECTION

14.1 AC Wire Harness

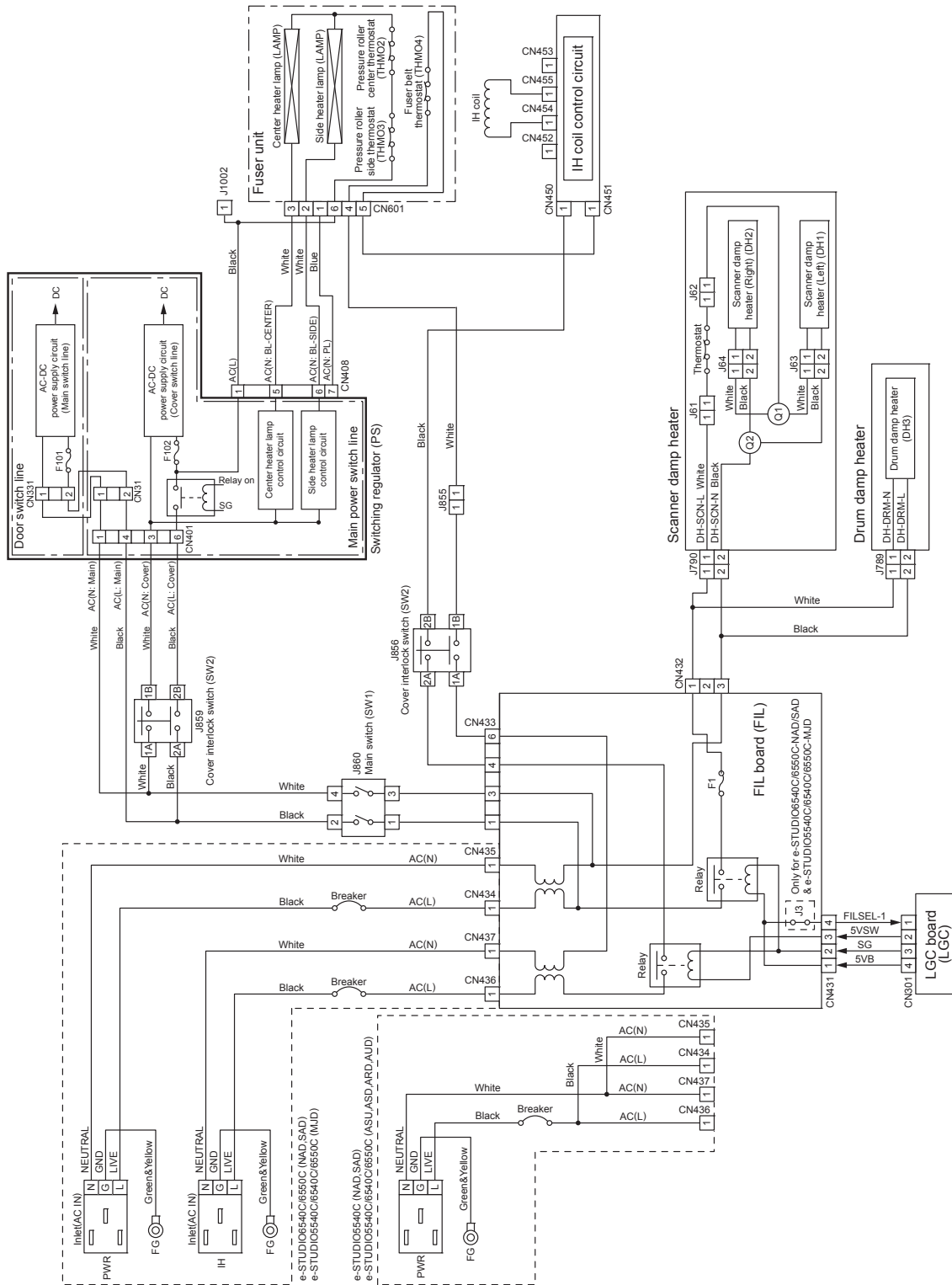
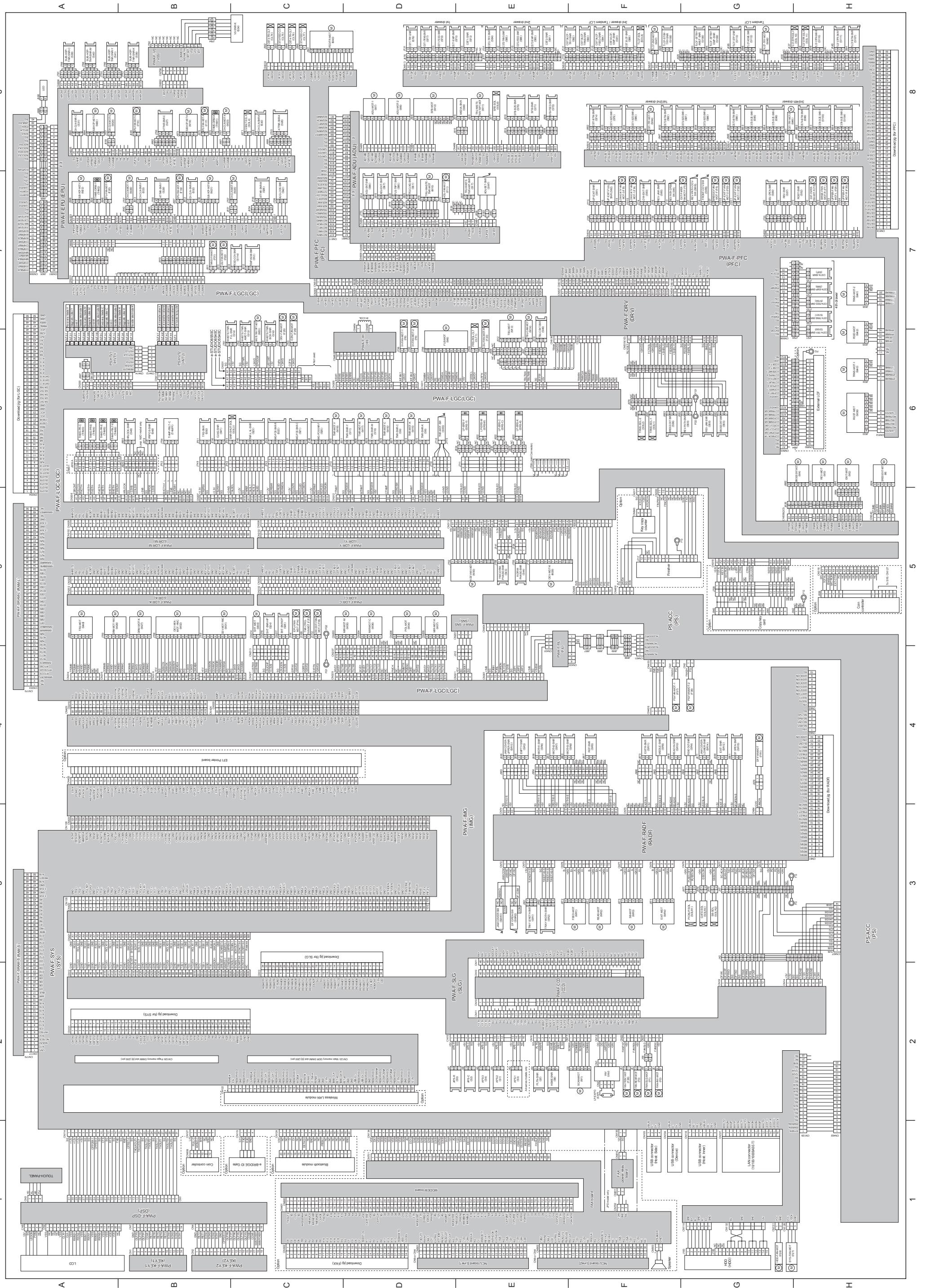
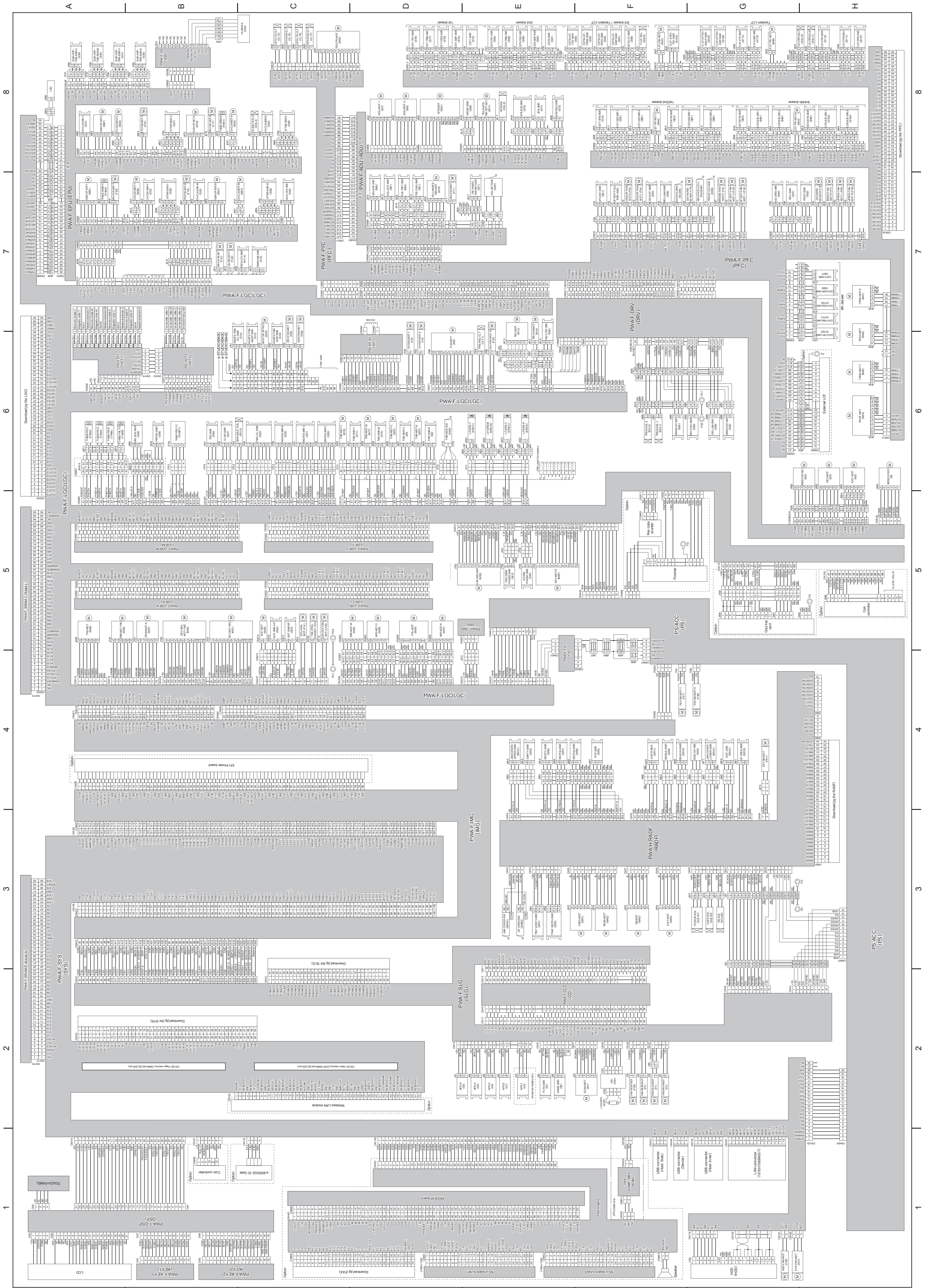


Fig.14-1

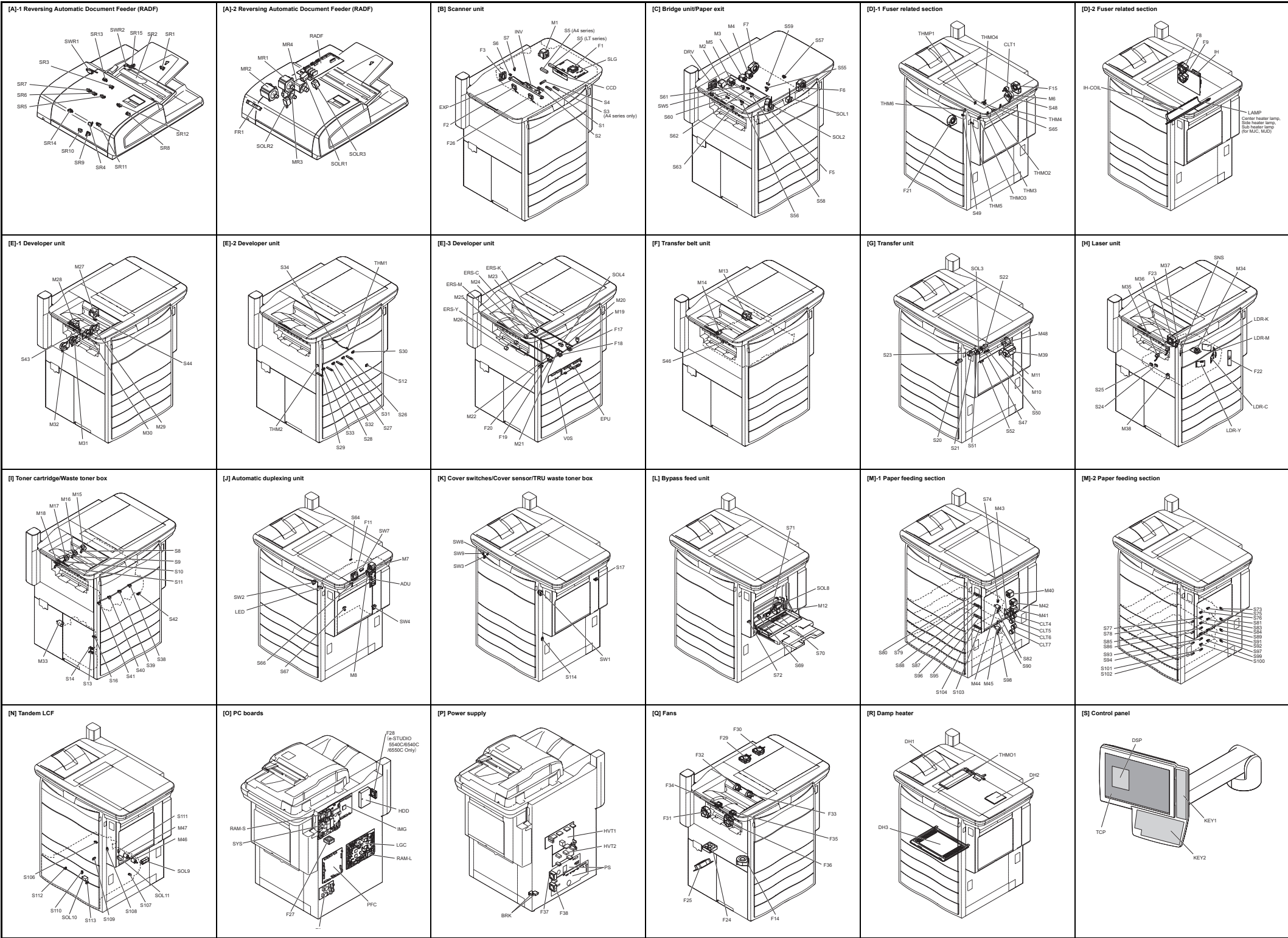
14.2.1 DC Wire Harness (e-STUDIO5540C/6540C/6550C)



14.2.2 DC Wire Harness (e-STUDIO5560C/6560C/6570C)



14.2.3 Electric Parts Layout



Symbol	Name	Figure	Wire harness location
MR1	FEED-MOT Original feed motor	[A]-2	3-F
MR2	READ-MOT Read motor	[A]-2	3-F
MR3	SIB-MOT Original reverse motor	[A]-2	3-F
MR4	EXT-MOT Original exit motor	[A]-2	3-G
M1	SCAN-MOT Scan motor	[B]	2-F
M2	EXT-MOT Exit motor	[C]	6-H
M3	REV-MOT Reverse motor	[C]	6-H
M4	BRIDGE-ENT-MOT Bridge unit transport entrance motor	[C]	6-H
M5	BRIDGE-EXIT-MOT Bridge unit transport exit motor	[C]	6-G
M6	FUS-MOT Fuser motor	[D]-1	6-D
M7	ADU-MOT-1 ADU motor-1	[J]	8-D
M8	ADU-MOT-2 ADU motor-2	[J]	8-D
M10	TRU-WASTE-TNR-MOT TRU waste toner motor	[G]	7-D
M11	TRU-WASTE-TNR-TRF-MOT TRU waste toner transport motor	[G]	8-E
M12	SFB-MOT Bypass motor	[I]	8-D
M13	TBU-MOT Transfer belt motor	[F]	7-E
M14	TBU-CAM-MOT Transfer belt cam motor	[F]	7-E
M15	TNR-MOT-K Toner motor-K	[I]	6-E
M16	TNR-MOT-C Toner motor-C	[I]	6-D
M17	TNR-MOT-M Toner motor-M	[I]	6-D
M18	TNR-MOT-Y Toner motor-Y	[I]	6-D
M19	SUB-HOP-MOT-K Sub-hopper toner motor-K	[E]-3	8-B
M20	SUB-HOP-MOT-C Sub-hopper toner motor-C	[E]-3	8-B
M21	SUB-HOP-MOT-M Sub-hopper toner motor-M	[E]-3	7-B
M22	SUB-HOP-MOT-Y Sub-hopper toner motor-Y	[E]-3	7-A
M23	CH-CLN-MOT-K Needle electrode cleaner motor-K	[E]-3	8-C
M24	CH-CLN-MOT-C Needle electrode cleaner motor-C	[E]-3	8-B
M25	CH-CLN-MOT-M Needle electrode cleaner motor-M	[E]-3	7-C
M26	CH-CLN-MOT-Y Needle electrode cleaner motor-Y	[E]-3	7-B
M27	DRM-MOT-K Drum motor-K	[E]-1	4-B
M28	DRM-MOT-YMC Drum motor-YMC	[E]-1	4-B
M29	DEV-MOT-K Developer unit motor-K	[E]-1	5-F
M30	DEV-MOT-YMC Developer unit motor-YMC	[E]-1	5-E
M31	DEV-MOT-YMC Developer unit motor-YMC	[E]-1	4-C
M32	DEV-MOT-YMC Developer unit motor-YMC	[E]-1	4-B
M33	WASTE-TNR-TRF-MOT Waste toner transport motor	[I]	6-C
M34	POL-MOT Polygonal motor	[H]	5-D
M35	MIR-MOT-M Mirror motor-M	[H]	5-C
M36	MIR-MOT-C Mirror motor-C	[H]	5-D
M37	MIR-MOT-K Mirror motor-K	[H]	5-D
M38	SHT-MOT Shutter motor	[H]	5-C
M39	RGT-MOT Registration motor	[I]	6-H
M40	TRNS-MOT-1 Transport motor-1	[M]-1	6-H
M41	TRNS-MOT-2 Transport motor-2	[M]-1	7-H
M42	FEED-MOT Feed motor	[M]-1	7-H
M43	FED-TR-MOT Feed transport motor	[M]-1	8-C
M44	CST-TR-MOT-1 Tray-up motor-1	[M]-1	8-F
M45	CST-TR-MOT-2 Tray-up motor-2	[M]-1	8-G
M46	YLCF-TRY-MOT YLCF tray-up motor	[N]	8-G
M47	TRC-END-MOT Tandem LCF end fence motor	[N]	8-F
M48	TLCF-MOT 2nd Transfer cam motor	[O]	5-A

Symbol	Name	Figure	Wire harness location
F2	FAN-REV-MOT Scanner unit cooling fan-1	[B]	2-F
F3	FAN-REAR-MOT Exhaust lamp cooling fan-1	[B]	2-G
F5	EXIT-PAPER-FAN-MOT-R Exit paper cooling fan (rear)	[C]	7-G
F6	BRIDGE-FAN-MOT-F Bridge unit cooling fan (front)	[C]	6-G
F7	BRIDGE-FAN-MOT-R Bridge unit cooling fan (rear)	[C]	7-G
F8	IH-FAN-MOT-1 IH board cooling fan-1	[D]-2	6-D
F9	IH-FAN-MOT-2 IH board cooling fan-2	[D]-2	6-D
F11	ADU-FAN-MOT EPU cooling fan	[J]	7-E
F14	EPU-FAN-MOT EPU cooling fan	[Q]	6-C
F15	EXIT-PAPER-FAN-MOT-F Exit paper cooling fan (rear)	[D]-1	7-H
F17	EPU-FAN-MOT-K Main charger blowing fan-K	[E]-3	8-B
F18	EPU-FAN-MOT-C Main charger blowing fan-C	[E]-3	8-B
F19	EPU-FAN-MOT-M Main charger blowing fan-M	[E]-3	7-B
F20	EPU-FAN-MOT-Y Main charger blowing fan-Y	[E]-3	7-B
F21	TNR-CTR-FAN-MOT Toner cartridge heat insulation fan	[D]-1	8-C
F22	LSU-FAN-MOT-1 Laser optical unit cooling fan (Front)	[H]	7-C
F23	LSU-FAN-MOT-2 Laser optical unit cooling fan (Rear)	[H]	7-E
F24	QZN-FAN-MOT Ozone suctioning fan	[Q]	6-C
F25	DEV-FAN-MOT Scattered toner suctioning fan	[Q]	6-C
F26	FAN-FRONT-MOT Exposure lamp cooling fan	[B]	2-F
F27	SV-FAN-MOT Scanner unit cooling fan	[O]	14-I
F28	HDD-FAN-MOT HDD cooling fan	[C]	1-1
F29	UPPER-FAN-MOT Upper exhaust fan (left)	[Q]	8-C
F30	UPPER-FAN-MOT-R Upper exhaust fan (right)	[Q]	8-C
F31	TNR-EX-FAN-MOT-F Toner cooling exhaust fan (Front)	[Q]	7-C
F32	UP-EXIT-FAN-MOT-1 Upper exit section cooling fan-1	[Q]	7-F
F33	UP-EXIT-FAN-MOT-2 Upper exit section cooling fan-2	[Q]	7-F
F34	LOW-EXIT-FAN-MOT-1 Lower exit section cooling fan-1	[Q]	7-F
F35	LOW-EXIT-FAN-MOT-2 Lower exit section cooling fan-2	[Q]	7-F
F36	LOW-EXIT-FAN-MOT-3 Lower exit section cooling fan-3	[Q]	7-F
F37	PS-FAN-MOT-1 Power supply unit cooling fan-1	[P]	4-G
F38	PS-FAN-MOT-2 Power supply unit cooling fan-2	[P]	4-G

Symbol	Name	Figure	Wire harness location
S7	PLTN-SNR Platen sensor	[B]	2-E
S8	TNR-SNR-K Toner cartridge paddle rotation detection sensor-K	[I]	6-E
S9	TNR-SNR-C Toner cartridge paddle rotation detection sensor-C	[I]	6-D
S10	TNR-SNR-M Toner cartridge paddle rotation detection sensor-M	[I]	6-D
S11	TNR-SNR-Y Toner cartridge paddle rotation detection sensor-Y	[I]	6-D
S12	TEMP-HUM-SNR Temperature/humidity sensor	[E]-2	7-C
S13	WASTE-TNR-SNR Waste toner detection sensor	[I]	6-C
S14	WASTE-TNR-BOX-SNR Waste toner box full detection sensor	[I]	6-B
S16	WASTE-TNR-SNR Waste toner amount detection sensor	[I]	6-C
S17	TRU-WASTE-TNR-AMT-SNR TRU waste toner amount detection sensor	[K]	8-E
S20	IMG-POS-SNR-F Image position aligning sensor (front)	[G]	6-D
S21	IMG-POS-SNR-C Image position aligning sensor (center)	[G]	6-C
S22	IMG-POS-SNR-R Image position aligning sensor (rear)	[G]	6-C
S23	TNR-LV-SNR UV image quality sensor	[Q]	6-C
S24	SHT-SNR-EP Shutter sensor (home position)	[H]	5-C
S25	SHT-SNR-EP Shutter sensor (end position)	[H]	5-C
S26	ATNTR-SNR-K Auto-toner sensor-K	[E]-2	8-C
S27	ATNTR-SNR-C Auto-toner sensor-C	[E]-2	8-B
S28	ATNTR-SNR-M Auto-toner sensor-M	[E]-2	7-C
S29	TNR-SNR-Y Auto-toner sensor-Y	[E]-2	7-B
S30	CH-CLN-SNR-K Needle electrode cleaner detection sensor-K	[E]-2	8-C
S31	CH-CLN-SNR-C Needle electrode cleaner detection sensor-C	[E]-2	8-A
S32	CH-CLN-SNR-M Needle electrode cleaner detection sensor-M	[E]-2	7-B
S33	CH-CLN-SNR-Y Needle electrode cleaner detection sensor-Y	[E]-2	7-B
S34	Drum surface potential (V0) sensor-K	[E]-2	8-A
S38	SUB-HOP-TNR-SNR-K Sub-hopper toner sensor-K	[I]	8-B
S39	SUB-HOP-TNR-SNR-C Sub-hopper toner sensor-C	[I]	8-A
S40	SUB-HOP-TNR-SNR-M Sub-hopper toner sensor-M	[I]	8-A
S41	SUB-HOP-TNR-SNR-Y Sub-hopper toner sensor-Y	[I]	7-B
S42	AUG-LOCK-SNR Auger lock detection sensor	[I]	8-C
S43	YMC-DRM-PHASE-SNR Color drum phase sensor	[E]-1	5-E
S44	K-GRM-PHASE-SNR K drum phase sensor	[E]-1	5-E
S46	TBU-CONT-SNR Transfer belt contact/release detection sensor	[F]	7-E
S47	CLMG-SNR Transfer belt paper clinging detection sensor	[G]	6-C
S48	PRPOS-SNR Fuser oil contact/release detection sensor	[D]-1	6-B
S49	HRLOCK-SNR Fuser belt rotation detection sensor	[D]-1	6-B
S50	TR2-SNR 2nd transfer roller contact/release detection sensor	[G]	6-C
S51	TR2-CLNG-SNR 2nd transfer side paper clinging detection sensor	[G]	8-D
S52	ROST-SNR Registration sensor	[G]	7-G
S55	BRIDGE-ENT-SNR Bridge unit path entrance sensor	[C]	6-G
S56	BRIDGE-EXIT-SNR Bridge unit path exit sensor	[C]	6-G
S57	REV-PATH-SNR Reverse path sensor	[C]	7-G
S58	REV-JAM-SNR Reverse stationary jam detection sensor	[C]	6-G
S59	REV-PATH-OPEN-SNR Reverse sensor	[C]	6-F
S60	REV-JAM-SNR Reverse station paper transport detection sensor	[C]	7-H
S61	UP-EXIT-SNR Upper paper exit sensor	[C]	7-G
S62	UP-EXIT-SNR Upper exit tray paper full detection sensor	[C]	7-G
S63	LOW-EXIT-SNR Lower paper exit sensor	[C]	7-G
S64	ADU-OPEN-SNR Duplexing unit opening/closing detection sensor	[J]	7-G
S65	FUS-TRPT-SNR Fuser transport sensor	[D]-1	8-D
S66	ADU-ENT-SNR Duplexing unit path entrance sensor	[J]	8-D
S67	ADU-EXIT-SNR Duplexing unit path exit sensor	[J]	8-D
S69	MEDIA-SNR Media sensor	[I]	8-E

Symbol	Name	Figure	Wire harness location
S70	SFB-SIZE-SNR Bypass paper size detection sensor	[L]	8-E
S71	SFB-SNR Bypass paper sensor	[L]	8-C
S72	SFB-FEED-SNR Bypass feed sensor	[L]	8-C
S73	CST1-SNR 1st drawer detection sensor	[M]-2	8-D
S74	CST1-BTM-SNR 1st drawer bottom sensor	[M]-2	8-F
S75	CST1-EMP-SNR 1st drawer empty sensor	[M]-2	8-D
S76	CST1-TRY-SNR 1st drawer tray-up sensor	[M]-2	8-D
S77	CST1-TRNS-SNR 1st drawer transport sensor	[M]-2	8-D
S78	CST1-FEED-SNR 1st drawer feed sensor	[M]-2	8-D
S79	CST1-SIZE-SNR-1 1st drawer paper size detection sensor-1	[M]-1	8-F
S80	CST1-SIZE-SNR-2 1st drawer paper size detection sensor-2	[M]-1	8-F
S81	CST2-SNR 2nd drawer detection sensor	[M]-2	8-E
S82	CST2-BTM-SNR 2nd drawer bottom sensor	[M]-1	8-F
S83	CST2-EMP-SNR 2nd drawer empty sensor	[M]-2	8-E
S84	CST2-TRY-SNR 2nd drawer tray-up sensor	[M]-2	8-E
S85	CST2-TRNS-SNR 2nd drawer transport sensor	[M]-2	8-E
S86	CST2-FEED-SNR 2nd drawer feed sensor	[M]-2	8-E
S87	CST2-SIZE-SNR-1 2nd drawer paper size detection sensor-1	[M]-1	8-F
S88	CST2-SIZE-SNR-2 2nd drawer paper size detection sensor-2	[M]-1	8-F
S89	CST3-LCF-SNR 3rd drawer/tandem LCF detection sensor	[M]-2	8-F
S90	CST3-BTM-SNR 3rd drawer/tandem LCF empty sensor	[M]-2	8-F
S91	CST3-CLF-EMP-SNR 3rd drawer/tandem LCF tray-up sensor	[M]-2	8-E
S92	CST3-CLF-TRNS-SNR 3rd drawer/tandem LCF transport sensor	[M]-2	8-E
S93	CST3-CLF-FEED-SNR 3rd drawer/tandem LCF feed sensor	[M]-2	8-F
S94	CST3-SIZE-SNR-1 3rd drawer paper size detection sensor-1	[M]-1	8-G
S96	CST3-SIZE-SNR-2 3rd drawer paper size detection sensor-2	[M]-1	8-G
S97	CST4-SNR 4th drawer detection sensor	[M]-2	7-F
S98	CST4-BTM-SNR 4th drawer bottom sensor	[M]-1	8-H
S99	CST4-EMP-SNR 4th drawer empty sensor	[M]-2	7-F
S100	CST4-TRY-SNR 4th drawer tray-up sensor	[M]-2	7-E
S101	CST4-TRNS-SNR 4th drawer transport sensor	[M]-2	7-E
S102	CST4-FEED-SNR 4th drawer feed sensor	[M]-2	7-F
S103	CST4-SIZE-SNR-1 4th drawer paper size detection sensor-1	[M]-1	8-H
S104	CST4-SIZE-SNR-2 4th drawer paper size detection sensor-2	[M]-1	8-H
S106	TLCF-STBY Standby side tray paper amount detection sensor	[N]	8-G
S107	TLCF-BTM-SNR Tandem LCF bottom sensor	[N]	8-H
S108	TLCF-STBY-TRY-SNR Standby side tray detection sensor	[N]	8-F
S109	TLCF-STBY Standby side empty sensor	[N]	8-G
S110	TLCF-STBY-SNR-R Standby side paper clinging detection sensor (front)	[N]	8-H
S111	TLCF-STBY-SNR-F Standby side paper clinging detection sensor (rear)	[N]	8-H
S112	TLCF-HOME-SNR End fence home position sensor	[N]	8-G
S113	TLCF-STP-SNR End fence stop position sensor	[N]	8-G
S114	FEED-COV-SNR Feed cover sensor	[K]	7-C

Symbol	Name	Figure	Wire harness location
CLT1	PR5-ROL-CLT Pressure roller contact/release clutch	[D]-1	7-E
CLT4	S13-TR-CLT 3rd drawer transport clutch	[M]-1	8-B
CLT5	S13-TR-CLT 3rd drawer feed clutch	[M]-1	8-B
CLT6	CST4-TR-CLT 4th drawer transport clutch	[M]-1	8-B
CLT7	CST4-FEED-CLT 4th drawer feed clutch	[M]-1	8-B

Symbol	Name	Figure	Wire harness location
SOLR1	PICKUP-SOL Original pick-up solenoid	[A]-2	2-G
SOLR2	SIB-SOL Original reverse solenoid	[A]-2	2-G
SOLR3	GATE-SOL Original gate solenoid	[A]-2	2-G
SOL4	TRNS-SOL-1 Transport path switching solenoid-1	[C]	6-F
SOL5	TRNS-SOL-2 Transport path switching solenoid-2	[C]	6-F
SOL6	SNR-SHUT-SOL Image quality shutter solenoid	[G]	6-C
SOL7	VO-SHUT-SOL-K VO sensor shutter solenoid-K	[E]-3	8-C
SOL8	TLCF-SOL Tandem LCF solenoid	[N]	8-E
SOL10	TLCP-STPR-SOL-F Stopper opening/closing solenoid (front)	[N]	8-G
SOL11	TLCF-STPR-SOL-R Stopper opening/closing solenoid (rear)	[N]	8-H

Symbol	Name	Figure	Wire harness location
DH1	Scanner damp heater (Left)	[R]	AC Wire Harness
DH2	Scanner damp heater (Right)	[R]	AC Wire Harness
DH3	Drum damp heater	[R]	AC Wire Harness

Symbol	Name	Figure	Wire harness location
THM1	THMS-DRM-K Drum thermistor-K	[E]-2	8-C
THM2	THMS-DRM-Y Drum thermistor-Y	[E]-2	7-A
THM3	THMS-PR-C Pressure roller center thermistor	[D]-1	6-A
THM4	THMS-PR-S Pressure roller side thermistor	[D]-1	6-A
THM5	THMS-PR-E Pressure roller edge thermistor	[D]-1	6-A
THM6	THMS-FBE-E Fuser belt edge thermistor	[D]-1	6-B
THM7	THM7-FBE-T Fuser belt thermopile	[D]-1	6-B
THM8	Scanner damp heater thermistor	[R]	AC Wire Harness
THM9	Pressure roller center thermistor	[D]-1	AC Wire Harness
THM10	Pressure roller side thermistor	[D]-1	AC Wire Harness
THM11	Pressure roller side thermistor	[D]-1	AC Wire Harness
THM14	Fuser belt thermistor	[D]-1	AC Wire Harness

Symbol	Name	Figure	Wire harness location
HV11	PS-HV11 High-voltage transformer-1	[P]	6-A
HV12	PS-HV12 High-voltage transformer-2	[P]	6-B



Symbol	Name	Figure	Wire harness location
TCP	Touch panel	[S]	1-A
HDD	HDD Hard disk	[O]	1-G
PS	PS-ACC Switching regulator	[P]	5-G
BRK	BRK Breaker	[P]	AC Wire Harness

Symbol	Name	Figure	Wire harness location
EXP	LP-EXPO Exposure lamp	[B]	2-F
ERS-K	LP-ERS-K Discharge LED-K	[E]-3	6-F
ERS-C	LP-ERS-C Discharge LED-C	[E]-3	6-E
ERS-M	LP-ERS-M Discharge LED-M	[E]-3	6-E
ERS-Y	LP-ERS-Y Discharge LED-Y	[E]-3	6-E
LED	PWA-F-LED Fuser unit jam releasing LED	[I]	8-H
LAMP	Pressure roller heater lamp	[D]-2	AC Wire Harness
IH-COIL	IH coil	[D]-2	AC Wire Harness

Input check (Test mode 03)

Items to be checked and the condition of the equipment when the buttons [A] to [H] are highlighted are listed in the following pages.

[FAX] button: OFF/[COPY] button: OFF/[SCAN] button: OFF
 ([FAX] LED: OFF/[COPY] LED: OFF/[SCAN] LED: OFF)

Digital key	Button	Items to check	Contents	
			Highlighted display e.g. 	Normal display e.g. 
[1]	A	Bridge unit path exit sensor	Paper present	No paper
	B	Bridge unit path entrance sensor	Paper present	No paper
	C	Reverse sensor	Paper present	No paper
	D	-	-	-
	E	Upper paper exit sensor	Paper present	No paper
	F	-	-	-
	G	-	-	-
	H	-	-	-
[2]	A	-	-	-
	B	Fuser roller temperature abnormality	Normal	Excessively high
	C	Fuser transport sensor	No paper	Paper present
	D	Thermopile wire breaking detection signal	Normal	Broken
	E	Fusing control abnormality	Normal	Abnormal
	F	-	-	-
	G	-	-	-
	H	-	-	-
[3]	A	-	-	-
	B	FIL board power cable detection signal (Detecting the number of cables)	1 cable	2 cables
	C	-	-	-
	D	-	-	-
	E	-	-	-
	F	Pressure roller contact/release detection sensor	Released	Contacted
	G	-	-	-
	H	Fuser roller rotation detection	Rotated	Damaged or stopped
[4]	A	-	-	-
	B	Registration sensor	Paper present	No paper
	C	Lower paper exit sensor	Paper present	No paper
	D	Sub-hopper toner motor-K locking	Rotated	Locked or stopped
	E	Sub-hopper toner motor-C locking	Rotated	Locked or stopped
	F	Sub-hopper toner motor-M locking	Rotated	Locked or stopped
	G	Sub-hopper toner motor-Y locking	Rotated	Locked or stopped
	H	-	-	-
[5]	A	Polygonal motor ready signal	No Ready (Stopped)	Ready (Rotated)
	B	Interlock switch	Cover closed (24 V normal)	Cover opened (24 V abnormal)
	C	Developer unit mixer motor-K locking signal	Abnormal	Normally rotated
	D	Developer unit mixer motor-YMC locking signal	Abnormal	Normally rotated
	E	TRU waste toner amount detection sensor	Toner bag full	Not full
	F	-	-	-
	G	TRU waste toner motor locking detection	Rotated	Locked or stopped
	H	Transfer belt contact / release detection sensor	Released (home position)	Contacted (No blocking)

[6]	A	K-ATS connection detection	Not connected	Connected
	B	C-ATS connection detection	Not connected	Connected
	C	M-ATS connection detection	Not connected	Connected
	D	Y-ATS connection detection	Not connected	Connected
	E	-	-	-
	F	-	-	-
	G	-	-	-
	H	-	-	-
[7]	A	Destination judgment of fuser unit	MJC/MJD for e-STUDIO5540C/6540C/6550C	Others
	B	-	-	-
	C	-	-	-
	D	Shutter motor end position detection / Shutter sensor (end position) (Refer to table 1)	OFF (H)	ON (L)
	E	Shutter motor home position detection / Shutter sensor (home position) (Refer to table 1)	OFF (H)	ON (L)
	F	-	-	-
	G	-	-	-
	H	Pressure roller temperature abnormality	Normal	Excessively high
[8]	A	IH error signal-2 (Refer to table 2)	OFF (H)	ON (L)
	B	IH error signal-1 (Refer to table 2)	OFF (H)	ON (L)
	C	IH error signal-0 (Refer to table 2)	OFF (H)	ON (L)
	D	-	-	-
	E	-	-	-
	F	-	-	-
	G	Image position aligning sensor (rear)	Detecting reflection light from the belt	Not detecting reflection light from the belt
	H	Image position aligning sensor (front)	Detecting reflection light from the belt	Not detecting reflection light from the belt
[9]	A	Color drum phase sensor	Sensor shielded	Sensor not shielded
	B	K drum phase sensor	Sensor shielded	Sensor not shielded
	C	Transfer belt paper clinging detection sensor	Paper present	No paper
	D	2nd transfer side paper clinging detection sensor	Paper present	No paper
	E	-	-	-
	F	-	-	-
	G	Image position aligning sensor (Center)	Detecting reflection light from the belt	Not detecting reflection light from
	H	2nd transfer roller contact / release detection sensor	Released (home position)	Contacted
[0]	A	-	-	-
	B	Waste toner amount detection sensor	Nearly full	Not full
	C	-	-	-
	D	-	-	-
	E	Duplexing unit opening / closing detection sensor -LGC (Refer to table 3)	OFF(H)	ON(L)
	F	-	-	-
	G	Front cover opening / closing detection switch	Cover opened	Cover closed
	H	-	-	-

Table 1. Relation between signals of shutter motor end position detection and home position c

Status	End position detection	Home position detection
Abnormal	H	H
Shutter opened	H	L
Shutter closed	L	H
Moving	L	L



Table 2. Relation between IH error signals and IH interlock switch

Status	IH error signal-2	IH error signal-1	IH error signal-0
Duplexing unit interlock switch ON (Duplexing unit closed)	L	L	H
Duplexing unit interlock switch OFF (Duplexing unit opened)	L	L	L
IH board abnormal	Other than the above		

Table 3. Relation between signals of duplexing unit cover opening/closing detection

Status	Duplexing unit opening/closing detection sensor (LGC side)	Duplexing unit opening/closing detection sensor (PFC side)
Closed	H	H
Opened	H	L
Opened	L	H
Opened	L	L

[FAX] button: ON/[COPY] button: OFF/[SCAN] button: OFF
 ([FAX] LED: ON/[COPY] LED: OFF/[SCAN] LED: OFF)

Digital key	Button	Items to check	Contents	
			Highlighted display e.g. 	Normal display e.g. 
[1]	A	-	-	-
	B	Waste toner box full detection sensor	Toner bag full	Not full
	C	Waste toner detection sensor	No box (or cover opened)	Box present
	D	-	-	-
	E	-	-	-
	F	-	-	-
	G	-	-	-
	H	-	-	-
[2]	A	IH board destination detection signal-1 (Refer to table 4)	OFF (H)	ON (L)
	B	IH board destination detection signal-0 (Refer to table 4)	OFF (H)	ON (L)
	C	-	-	-
	D	-	-	-
	E	-	-	-
	F	-	-	-
	G	-	-	-
	H	-	-	-
[3]	A	Developer unit drive ready signal (Sync signal)	Abnormally rotated (or stopped)	Normally rotated
	B	Fuser unit drive ready signal	Abnormally rotated (or stopped)	Normally rotated
	C	Color developer units drive ready signal (Sync signal)	Abnormally rotated (or stopped)	Normally rotated
	D	Upper exit tray paper full detection sensor	Full	Not full
	E	K cartridge genuine toner detection signal	Normal	Abnormal
	F	C cartridge genuine toner detection signal	Normal	Abnormal
	G	M cartridge genuine toner detection signal	Normal	Abnormal
	H	Y cartridge genuine toner detection signal	Normal	Abnormal
[4]	A	-	-	-
	B	Thermopile wire breaking detection signal	Normal	Broken
	C	Fuser roller temperature abnormality	Normal	Excessively high
	D	Fuser unit connection status	Connected	Not connected
	E	IH enabling	IH forcible OFF	IH enabled
	F	Fuser belt rotation detection sensor damage detection	Normal	Fuser motor (damaged or stopped)
	G	-	-	-
	H	-	-	-

[5]	A	-	-	-
	B	Original exit/reverse sensor	Paper present	No paper
	C	Original reverse unit opening/closing sensor	Cover opened	Cover closed
	D	Original reading end sensor	Paper present	No paper
	E	-	-	-
	F	RADF connection	Connected	Not connected
	G	Platen sensor	RADF opened	RADF closed
	H	Carriage home position sensor	Home position	Other than home position
[6]	A	-	-	-
	B	-	-	-
	C	-	-	-
	D	APS sensor (APS-R) (APS-5)	Original present	No original
	E	APS sensor (APS-C) (APS-4)	Original present	No original
	F	APS sensor (APS-3)	Original present	No original
	G	APS sensor (APS-2)	Original present	No original
	H	APS sensor (APS-1)	Original present	No original
[7]	A	Original tray sensor	ON	OFF
	B	Original empty sensor	Original present	No original
	C	Original jam access cover opening/closing sensor	Cover opened	Cover closed
	D	RADF open/close sensor	RADF opened	RADF closed
	E	Original exit sensor	Original present	No original
	F	Original intermediate transport sensor	Original present	No original
	G	Original reading start sensor	Original present	No original
	H	Original registration sensor	Original present	No original
[8]	A	Original tray width sensor (TWID0S) (Refer to table 5)	OFF (H)	ON (L)
	B	Original tray width sensor (TWID1S) (Refer to table 5)	OFF (H)	ON (L)
	C	Original tray width sensor (TWID2S) (Refer to table 5)	OFF (H)	ON (L)
	D	-	-	-
	E	-	-	-
	F	Original width sensor 1	Original present	No original
	G	Original width sensor 2	Original present	No original
	H	Original width sensor 3	Original present	No original
[9]	A	Sub-hopper toner sensor-M	Normal	Empty
	B	-	-	-
	C	M Needle electrode cleaner home position detection	Home position	Other than home
	D	Sub-hopper toner sensor-Y	Normal	Empty
	E	-	-	-
	F	Y needle electrode cleaner home position detection	Home position	Other than home
	G	Sub-hopper connection detection	All sub-hoppers connected	More than one sub-hopper disconnected
	H	-	-	-
[0]	A	Drawer installation detection (EPU tray installation detection)	Connected	Disconnected
	B	Auger lock detection sensor	Rotating	Locked or stopped
	C	Sub-hopper toner sensor-K	Normal	Empty
	D	-	-	-
	E	K needle electrode cleaner home position detection	Home position	Other than home
	F	Sub-hopper toner sensor-C	Normal	Empty
	G	-	-	-
	H	C needle electrode cleaner home position detection	Home position	Other than home

Table 4. Relation between IH board destination detection signals-1 and -0



Status	IH board destination detection signal-1	IH board destination detection signal-0
100V	H	H
115V	L	H
230V	L	L

Table 5. Relation between the status of the original tray width sensor and paper size (width).

Original tray width sensor			Paper width size (LT series)	Paper width size (A4 series)
TWID2S	TWID1S	TWID0S		
H	H	L	-	B5-R
H	L	H	ST-R	A5-R
H	L	L	LD / LT	A3 / A4
L	H	L	8.5 x 8.5 / LT-R / LG / 13"LG	A4-R / FOLIO
L	L	L	COMPUTER	B4 / B5

H (= high level): Open L (= low level): Short

[FAX] button: OFF/[COPY] button: ON/[SCAN] button: OFF
 ([FAX] LED: OFF/[COPY] LED: ON/[SCAN] LED: OFF)

Digital key	Button	Items to check	Contents	
			Highlighted display e.g. 	Normal display e.g. 
[1]	-	Temperature/humidity sensor (displays temperature inside of the equipment)	-	Temperature [°C]
[2]	-	Temperature/humidity sensor (displays humidity inside of the equipment)	-	Humidity [%RH]
[3]	-	Drum thermistor-K (displays temperature on the drum surface of K color)	-	Temperature [°C]
[4]	-	Drum thermistor-Y (displays temperature on the drum surface of Y color)	-	Temperature [°C]
[5]	A	-	-	-
	B	5V SW monitor	OFF	ON
	C	-	-	-
	D	-	-	-
	E	-	-	-
	F	Fuser transport sensor	No paper	Paper present
	G	Lower paper exit sensor	Paper present	No paper
	H	Registration sensor	Paper present	No paper
[6]	A	Interlock detection (24 V shut-off detection)	Normal	24 V shut off
	B	-	-	-
	C	-	-	-
	D	-	-	-
	E	-	-	-
	F	-	-	-
	G	-	-	-
	H	-	-	-
[7]	A	Upper paper exit sensor	Paper present	No paper
	B	Bridge unit connecting detection switch (Refer to table 6)	OFF(H)	ON(L)
	C	-	-	-
	D	-	-	-
	E	Bypass paper size detection sensor-3 (Refer to table 7)	OFF (H)	ON (L)
	F	Bypass paper size detection sensor-2 (Refer to table 7)	OFF (H)	ON (L)
	G	Bypass paper size detection sensor-1 (Refer to table 7)	OFF (H)	ON (L)
	H	Bypass paper size detection sensor-0 (Refer to table 7)	OFF (H)	ON (L)

[8]	A	Reverse path cover switch	Cover opened	Cover closed
	B	Stopper opening/closing detection sensor (front)	Stopper opened	Stopper closed
	C	Stopper opening/closing detection sensor (rear)	Stopper opened	Stopper closed
	D	-	-	-
	E	Detecting connection between bridge unit and drawers (Refer to table 6)	OFF (H)	ON (L)
	F	Reverse section paper transport detection sensor	Paper present	No paper
	G	Standby side tray paper amount detection sensor	No paper	Paper present
	H	Feed cover sensor	Cover closed	Cover opened
[9]	A	4th drawer bottom sensor	Bottom position	Normal
	B	3rd drawer bottom sensor	Bottom position	Normal
	C	2nd drawer bottom sensor	Bottom position	Normal
	D	1st drawer bottom sensor	Bottom position	Normal
	E	4th drawer tray-up sensor / End fence home position sensor	Upper limit position / Tray initial position	Normal
	F	3rd drawer/tandem LCF tray-up sensor	Upper limit position	Normal
	G	2nd drawer tray-up sensor	Upper limit position	Normal
	H	1st drawer tray-up sensor	Upper limit position	Normal
[0]	A	-	-	-
	B	-	-	-
	C	-	-	-
	D	Security enabler	Connectable	Not connectable
	E	Judgement for acceptable USB storage device (*1)	Acceptable	Not acceptable
	F	-	-	-
	G	-	-	-
	H	-	-	-

*1

- Be sure to install the USB storage device to the equipment and check if the device can be used with this code.
- Be sure to turn OFF the write protection (the function to prevent data from erasure by the accidental recording or deleting) of the USB storage device before performing the check, otherwise this code cannot be used.
- It may take some time (2 sec. to 10 sec.) before this check is completed depending on the USB storage device.



Table 6. Relation between the bridge unit connecting detection switch and connection detection for the bridge unit and drawers

Status	Bridge unit connecting detection switch	Connection detection between bridge unit and drawers
Connected	L	L
Not connected	L	H
Not connected	H	L
Not connected	H	H

Table 7. Relation between the status of the bypass paper width sensor and paper size (width).

Bypass paper width sensor				Paper width size
3	2	1	0	
L	H	H	H	A3/LD
H	L	H	H	A4-R/LT-R
H	H	L	H	A5-R/ST-R
H	H	H	L	Card size
L	L	H	H	B4-R/LG
H	L	L	H	B5-R

[FAX] button: OFF/[COPY] button: OFF/[SCAN] button: ON
 ([FAX] LED: OFF/[COPY] LED: OFF/[SCAN] LED: ON)

Digital key	Button	Items to check	Contents	
			Highlighted display e.g. 	Normal display e.g. 
[1]	A	4th drawer transport sensor	Paper present	No paper
	B	3rd drawer transport sensor / Tandem LCF transport sensor	Paper present	No paper
	C	2nd drawer transport sensor	Paper present	No paper
	D	1st drawer transport sensor	Paper present	No paper
	E	4th drawer feed sensor / End fence stop position sensor	Paper present / After the tray was moved	No paper / In cases other than the noted left
	F	3rd drawer/tandem LCF feed sensor	Paper present	No paper
	G	2nd drawer feed sensor	Paper present	No paper
	H	1st drawer feed sensor	Paper present	No paper
[2]	A	4th drawer empty sensor / Tandem LCF standby side empty sensor	No paper / No paper	Paper present/ Paper present
	B	3rd drawer/tandem LCF empty sensor	No paper / No paper	Paper present/ Paper present
	C	2nd drawer empty sensor	No paper	Paper present
	D	1st drawer empty sensor	No paper	Paper present
	E	4th drawer detection sensor / Tandem LCF bottom sensor	Drawer closed / Tray lifted down	Drawer opened / In cases other than the noted left
	F	3rd drawer/tandem LCF detection sensor	Drawer closed	Drawer opened
	G	2nd drawer detection sensor	Drawer closed	Drawer opened
[3]	A	Bypass feed sensor	No paper	Paper present
	B	Bypass paper sensor	No paper	Paper present
	C	Bridge unit path exit sensor	Paper present	No paper
	D	Bridge unit path entrance sensor	Paper present	No paper
	E	Reverse sensor	Paper present	No paper
	F	Reverse path sensor	Paper present	No paper
	G	Duplexing unit path exit sensor	Paper present	No paper
	H	Duplexing unit path entrance sensor	Paper present	No paper
[4]	A	Reverse section stationary jam detection	Paper present	No paper
	B	-	-	-
	C	-	-	-
	D	Tandem LCF connection detection	Not connected	Connected
	E	-	-	-
	F	Duplexing unit cover opening/closing detection sensor-1	Cover closed	Cover opened
	G	Duplexing unit opening/closing detection sensor (PFC side) (Refer to table 3)	OFF (H)	ON (L)
	H	-	-	-
[5]	A	-	-	-
	B	Option LCF connection detection	Not connected	Connected
	C	Option LCF installation sensor	Not installed	Installed
	D	Option LCF tray position sensor	Tray unit opened	Tray unit closed
	E	Option LCF feed sensor	No paper	Paper present
	F	Option LCF empty sensor	No paper	Paper present
	G	Option LCF bottom sensor	Normal	Lower limit position
	H	Option LCF top sensor	Upper limit position	Normal

[6]	A	-	-	-
	B	-	-	-
	C	-	-	-
	D	-	-	-
	E	-	-	-
	F	-	-	-
	G	Standby side tray detection sensor	No tray	Tray present
	H	-	-	-
[7]	A	1st drawer paper size detection sensor-7	OFF	ON
	B	1st drawer paper size detection sensor-6	OFF	ON
	C	1st drawer paper size detection sensor-5	OFF	ON
	D	1st drawer paper size detection sensor-4	OFF	ON
	E	1st drawer paper size detection sensor-3	OFF	ON
	F	1st drawer paper size detection sensor-2	OFF	ON
	G	1st drawer paper size detection sensor-1	OFF	ON
	H	1st drawer paper size detection sensor-0	OFF	ON
[8]	A	2nd drawer paper size detection sensor-7	OFF	ON
	B	2nd drawer paper size detection sensor-6	OFF	ON
	C	2nd drawer paper size detection sensor-5	OFF	ON
	D	2nd drawer paper size detection sensor-4	OFF	ON
	E	2nd drawer paper size detection sensor-3	OFF	ON
	F	2nd drawer paper size detection sensor-2	OFF	ON
	G	2nd drawer paper size detection sensor-1	OFF	ON
	H	2nd drawer paper size detection sensor-0	OFF	ON
[9]	A	3rd drawer paper size detection sensor-7	OFF	ON
	B	3rd drawer paper size detection sensor-6	OFF	ON
	C	3rd drawer paper size detection sensor-5	OFF	ON
	D	3rd drawer paper size detection sensor-4	OFF	ON
	E	3rd drawer paper size detection sensor-3	OFF	ON
	F	3rd drawer paper size detection sensor-2	OFF	ON
	G	3rd drawer paper size detection sensor-1	OFF	ON
	H	3rd drawer paper size detection sensor-0	OFF	ON
[0]	A	4th drawer paper size detection sensor-7	OFF	ON
	B	4th drawer paper size detection sensor-6	OFF	ON
	C	4th drawer paper size detection sensor-5	OFF	ON
	D	4th drawer paper size detection sensor-4	OFF	ON
	E	4th drawer paper size detection sensor-3	OFF	ON
	F	4th drawer paper size detection sensor-2	OFF	ON
	G	4th drawer paper size detection sensor-1	OFF	ON
	H	4th drawer paper size detection sensor-0	OFF	ON

Output check (test mode 03)

Code	Function	Speed	Code	Function	Procedur
103	Polygonal motor (600dpi) ON	Normal speed	153	Code No.103 function OFF	1
104	Laser ON * Do not radiate laser beam onto the photoconductive drums for a long time.	Normal speed	154	Code No.104 function OFF	1
110	Drum motor-K ON (Operation available without the process unit)	Normal speed	160	Code No.110 function OFF	1 (*1)
111	Drum motor-YMC ON (Operation available without the process unit)	Normal speed	161	Code No.111 function OFF	1 (*1)
112	Developer unit motor-K ON (Operation available without the process unit)	Normal speed	162	Code No.112 function OFF	1
113	Developer unit motor-YMC ON (Operation available without the process unit)	Normal speed	163	Code No.113 function OFF	1
114	Developer unit mixer motor-K ON	Normal speed	164	Code No.114 function OFF	1
115	Developer unit mixer motor-YMC ON	Normal speed	165	Code No.115 function OFF	1
116	Transfer belt motor ON (Operation available without the process unit)	Normal speed	166	Code No.116 function OFF	1 (*2)
117	Image position aligning sensors (front, center, rear) LED ON * The LED cannot be seen if the shutter of the image quality sensor and the image position aligning sensor is closed. Open the shutter by hand or perform No. 118 below in advance.	Normal speed	167	Code No.117 function OFF	1
118	Shutter for image quality sensor and image position aligning sensors ON	Normal speed	168	Code No.118 function OFF	1
120	Feed motor (normal rotation) ON (Paper fed from 1st drawer)	Normal speed	170	Code No.120 function OFF	1
121	Feed motor (reverse rotation) ON (Paper fed from 2nd drawer)	Normal speed	171	Code No.121 function OFF	1
122	Feed/transport motor ON (3rd and 4th drawer)	Normal speed	172	Code No.122 function OFF	1
123	Tandem LCF feed motor ON	Normal speed	173	Code No.123 function OFF	1
124	Transport motor-1 ON	Normal speed	174	Code No.124 function OFF	1
125	Transport motor-2 ON	Normal speed	175	Code No.125 function OFF	1
126	Bypass motor ON	Normal speed	176	Code No.126 function OFF	1
127	Option LCF transport motor ON	Normal speed	177	Code No.127 function OFF	1
128	Registration motor ON	Normal speed	178	Code No.128 function OFF	1

129	Fuser motor (normal rotation) ON	Normal speed	179	Code No.129 function OFF	1
130	Bridge unit transport entrance motor ON	Normal speed	180	Code No.130 function OFF	1
132	Reverse motor (normal rotation) ON	Normal speed	182	Code No.132 function OFF	1
134	Reverse motor (reverse rotation) ON	Normal speed	184	Code No.134 function OFF	1
136	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	Normal speed	186	Code No.136 function OFF	1
138	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	Normal speed	188	Code No.138 function OFF	1
140	Exit motor (normal rotation) ON (lower exit tray direction)	Normal speed	190	Code No.140 function OFF	1
142	Exit motor (reverse rotation) ON (upper exit tray direction)	Normal speed	192	Code No.142 function OFF	1
144	ADU motor-2 ON	Normal speed	194	Code No.144 function OFF	1
146	ADU motor-1 ON	Normal speed	196	Code No.146 function OFF	1

*1

Fully pull out the EPU tray toward you while the transfer belt remains. If it is not fully pulled out, the drum shaft and the drum flange may scratch each other and thus the flange may be worn out.

*2

1. Pull the duplexing unit lever and then separate the transfer belt and the 2nd transfer roller.
2. Pull out the EPU (developer unit) tray until it comes to a stop while the transfer belt is left.
 - * Pull out the EPU tray completely otherwise the transfer belt and the photoconductive drum may scratch each other.
3. Insert a door-switch jig into the cover interlock switch on the left upper side of the fuser unit in order not to turn the 24 V power OFF.

Code	Function	Procedur
201	LSU shutter opening/closing operation (Operation stops after the shutter is closed)	2
203	Fuser unit jam releasing LED	3
204	Needle electrode cleaner motor-Y reciprocating movement (Movement stops at the standby position)	2
205	Needle electrode cleaner motor-M reciprocating movement (Movement stops at the standby position)	2
206	Needle electrode cleaner motor-C reciprocating movement (Movement stops at the standby position)	2
207	Needle electrode cleaner motor-K reciprocating movement (Movement stops at the standby position)	2
209	Drum surface potential sensor shutter-Y opening/closing operation (Operation stops after the shutter is closed)	2
210	Drum surface potential sensor shutter-M opening/closing operation (Operation stops after the shutter is closed)	2
211	Drum surface potential sensor shutter-C opening/closing operation (Operation stops after the shutter is closed)	2
212	Drum surface potential sensor shutter-K opening/closing operation (Operation stops after the shutter is closed)	2
214	Discharge LED-K ON/OFF	3
215	Discharge LED-YMC ON/OFF	3
216	Toner motor-Y ON/OFF (Pull out the Y toner cartridge if the toner does not need to be supplied.) When the front cover is kept opened during the operation, turn the toner motor interlock switch ON using a door switch jig; otherwise, the operation is not	3
217	Toner motor-M ON/OFF (Pull out the M toner cartridge if the toner does not need to be supplied.) When the front cover is kept opened during the operation, turn the toner motor interlock switch ON using a door switch jig; otherwise, the operation is not	3
218	Toner motor-C ON/OFF (Pull out the C toner cartridge if the toner does not need to be supplied.) When the front cover is kept opened during the operation, turn the toner motor interlock switch ON using a door switch jig; otherwise, the operation is not	3
219	Toner motor-K ON/OFF (Pull out the K toner cartridge if the toner does not need to be supplied.) When the front cover is kept opened during the operation, turn the toner motor interlock switch ON using a door switch jig; otherwise, the operation is not	3
220	Sub-hopper toner motor-Y (normal rotation) ON/OFF (Pull out the sub-hopper unit or the Y toner cartridge if the toner does not need to be supplied.)	3
221	Sub-hopper toner motor-M (normal rotation) ON/OFF (Pull out the sub-hopper unit or the M toner cartridge if the toner does not need to be supplied.)	3
222	Sub-hopper toner motor-C (normal rotation) ON/OFF (Pull out the sub-hopper unit or the C toner cartridge if the toner does not need to be supplied.)	3
223	Sub-hopper toner motor-K (normal rotation) ON/OFF (Pull out the sub-hopper unit or the K toner cartridge if the toner does not need to be supplied.)	3
224	Sub-hopper toner motor-Y (reverse rotation) ON/OFF (The toner will not be supplied but only mixed within the Y sub-hopper)	3 (*1)
225	Sub-hopper toner motor-M (reverse rotation) ON/OFF (The toner will not be supplied but only mixed within the M sub-hopper)	3 (*1)
226	Sub-hopper toner motor-C (reverse rotation) ON/OFF (The toner will not be supplied but only mixed within the C sub-hopper)	3 (*1)
227	Sub-hopper toner motor-K (reverse rotation) ON/OFF (The toner will not be supplied but only mixed within the K sub-hopper)	3 (*1)
234	Waste toner transport motor ON/OFF	3
237	Transfer belt cam motor ON/OFF (Operation stops after the belt is released)	2

239	TRU waste toner motor (normal rotation) ON/OFF (DC motor driving the auger for transporting waste toner from the 2nd transfer unit)	3
240	TRU waste toner transport motor ON/OFF (DC motor driving the auger for transporting waste toner to a TRU waste toner	3
241	2nd transfer unit waste toner exit mode ON/OFF (A mode used for transporting waste toner accumulated in the 2nd transfer unit to a TRU waste toner box)* Perform the codes 03-239 and 03-240 simultaneously.	3
243	2nd transfer roller contact/release	3
244	2nd transfer roller decompression control movement printing position/waiting	3
246	Tray-up motor-1(1st drawer) ON (Tray up)	2
247	Tray-up motor-1(2nd drawer) ON (Tray up)	2
248	Tray-up motor-2(3rd drawer) ON (Tray up)	2
249	Tray-up motor-2(4th drawer) ON (Tray up)	2
250	3rd drawer feed clutch or tandem LCF feed clutch ON/OFF (Each clutch turns ON or OFF according to the installation status of the corresponding drawer.)	3
251	4th drawer feed clutch ON/OFF	3
252	3rd drawer transport clutch or tandem LCF transport clutch ON/OFF (Each clutch turns ON or OFF according to the installation status of the corresponding drawer.)	3
253	4th drawer transport clutch ON/OFF	3
254	Bypass pickup solenoid ON/OFF	3
255	Tandem LCF solenoid ON/OFF	3
256	Tandem LCF end fence motor reciprocating movement	2
257	Tandem LCF tray-up motor (Tray up/down)	2
258	Tandem LCF stopper opening/closing solenoid (front) ON/OFF	3
259	Tandem LCF stopper opening/closing solenoid (rear) ON/OFF	3
261	Scan motor ON (Automatically stops at limit position)	2
264	Scanner fan motor (high speed) ON/OFF	3
265	Scanner fan motor (low speed) ON/OFF	3
267	Scanner exposure lamp ON/OFF	3
268	Option LCF feed clutch ON/OFF	3
269	Option LCF transport clutch ON/OFF	3
270	Option LCF tray-up motor (Tray up/down)	2
272	Pressure roller contact/release (Fuser motor (reverse rotation) ON & Pressure roller contact/release clutch ON, operation stops after the roller is released)	2
273	Pressure roller contact/release clutch ON/OFF	3
275	Transport path switching solenoid-1 ON/OFF (A solenoid on the right side when seen from a user. Switches transport paths to the upper exit tray direction (or reverse path) and the lower exit tray direction.)	3
276	Transport path switching solenoid-2 ON/OFF (A solenoid on the left side when seen from a user. Switches transport paths to the upper exit tray direction and the reverse path.)	3
281	RADF original feed motor ON/OFF (normal rotation)	3
282	RADF original feed motor ON/OFF (reverse rotation)	3
283	RADF read motor ON/OFF	3
284	RADF original exit motor ON/OFF (normal rotation)	3
285	RADF original exit motor ON/OFF (reverse rotation)	3
286	RADF original reverse motor (normal rotation) ON/OFF	3
287	RADF original reverse motor (reverse rotation) ON/OFF	3
288	RADF original reverse solenoid ON/OFF	3
294	RADF original exit solenoid ON/OFF	3
297	RADF cooling fan ON/OFF	3
301	Modem test 2100Hz	2
302	Modem test 14.4KBPS(V17)	2
303	Modem test 9.6KBPS(V29)	2
304	Modem test 4.8KBPS(V27)	2
305	Modem test 300BPS	2
306	Modem test 1850Hz	2

307	Modem test 1650Hz	2
308	Modem test 1100Hz	2
309	Modem test 462Hz	2
310	Modem test 1300Hz	2
311	Modem test 33.6KBPS(V.34)	2
312	Modem test 28.8KBPS(V.34)	2
313	Modem test 24.0KBPS(V.34)	2
314	Modem test 16.8KBPS(V.34)	2
315	Dial test 10PPS	5
316	Dial test 20PPS	5
317	Dial test PB	5
318	Modem test 12.0KBPS(V.17)	2
319	Modem test 7.2KBPS(V.29)	2
320	Modem test 2.4KBPS(V.27ter)	2
321	FAX image memory test	2
322	CML relay ON	2
433	Power supply unit cooling fan-1 & 2 (high speed) ON/OFF	3
434	Power supply unit cooling fan-1 & 2 (low speed) ON/OFF	3
437	Laser optical unit cooling fan (Front) (high speed) ON/OFF	3
438	Laser optical unit cooling fan (Front) (low speed) ON/OFF	3
439	Laser optical unit cooling fan (Rear) (high speed) ON/OFF	3
440	Laser optical unit cooling fan (Rear) (low speed) ON/OFF	3
441	EPU cooling fan (high speed) ON/OFF	3
442	EPU cooling fan (low speed) ON/OFF	3
443	Bridge unit cooling fan (rear) (high speed) ON/OFF	3
444	Bridge unit cooling fan (rear) (low speed) ON/OFF	3
445	Main charger blowing fan ON/OFF	3
447	Ozone suctioning fan (high speed) ON/OFF	3
448	Ozone suctioning fan (low speed) ON/OFF	3
449	Scattered toner suctioning fan ON/OFF	3
451	Toner cartridge heat insulation fan (high speed) ON/OFF	3
452	Toner cartridge heat insulation fan (low speed) ON/OFF	3
453	IH board cooling fan (high speed) ON/OFF	3
454	IH board cooling fan (low speed) ON/OFF	3
455	Reversed paper cooling fan (high speed) ON/OFF	3
456	Reversed paper cooling fan (low speed) ON/OFF	3
457	Exit paper cooling fan (front) (high speed) ON/OFF	3
458	Exit paper cooling fan (front) (low speed) ON/OFF	3
459	Bridge unit cooling fan (front) (high speed) ON/OFF	3
460	Bridge unit cooling fan (front) (low speed) ON/OFF	3
461	Exit paper cooling fan (rear) (high speed) ON/OFF	3
462	Exit paper cooling fan (rear) (low speed) ON/OFF	3
463	Upper exhaust fan (left) ON/OFF	3
464	Upper exhaust fan (right) ON/OFF	3
465	Toner cooling exhaust fan ON/OFF	3
466	Upper exit section cooling fan-1&2 ON/OFF	3
467	Lower exit section cooling fan-1&2 ON/OFF	3
468	Lower exit section cooling fan-3 ON/OFF	3
470	Automatic power OFF at fuser unit temperature abnormality	4

*1

Do not let the sub-hopper toner motors rotate in reverse when toner cartridges are installed
tridges will become locked.

Code	Function	Speed	Code	Function	Procedur
610	Drum motor-K ON (Operation available without the process unit)	Decelerated by 1/2	660	Code No.610 function OFF	1 (*1)
611	Drum motor-YMC ON (Operation available without the process unit)	Decelerated by 1/2	661	Code No.611 function OFF	1 (*1)
612	Developer unit motor-K ON (Operation available without the process unit)	Decelerated by 1/2	662	Code No.612 function OFF	1
613	Developer unit motor-YMC ON (Operation available without the process unit)	Decelerated by 1/2	663	Code No.613 function OFF	1
616	Transfer belt motor ON (Operation available without the process unit)	Decelerated by 1/2	666	Code No.616 function OFF	1 (*2)
620	Feed motor (normal rotation) ON (Paper fed from 1st drawer)	Decelerated by 1/2	670	Code No.620 function OFF	1
621	Feed motor (reverse rotation) ON (Paper fed from 2nd drawer)	Decelerated by 1/2	671	Code No.621 function OFF	1
622	Feed/transport motor ON	Decelerated by 1/2	672	Code No.622 function OFF	1
623	Tandem LCF feed motor ON	Decelerated by 1/2	673	Code No.623 function OFF	1
624	Transport motor-1 ON	Decelerated by 1/2	674	Code No.624 function OFF	1
625	Transport motor-2 ON	Decelerated by 1/2	675	Code No.625 function OFF	1
626	Bypass motor ON	Decelerated by 1/2	676	Code No.626 function OFF	1
627	Option LCF transport motor ON	Decelerated by 1/2	677	Code No.627 function OFF	1
628	Registration motor ON	Decelerated by 1/2	678	Code No.628 function OFF	1
629	Fuser motor (normal rotation) ON	Decelerated by 1/2	679	Code No.629 function OFF	1
630	Bridge unit transport entrance motor ON	Decelerated by 1/2	680	Code No.630 function OFF	1
632	Reverse motor (normal rotation) ON	Decelerated by 1/2	682	Code No.632 function OFF	1
634	Reverse motor (reverse rotation) ON	Decelerated by 1/2	684	Code No.634 function OFF	1
636	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	Decelerated by 1/2	686	Code No.636 function OFF	1
638	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	Decelerated by 1/2	688	Code No.638 function OFF	1
640	Exit motor (normal rotation) ON (lower exit tray direction)	Decelerated by 1/2	690	Code No.640 function OFF	1
642	Exit motor (reverse rotation) ON (upper exit tray direction)	Decelerated by 1/2	692	Code No.642 function OFF	1
644	ADU motor-2 ON	Decelerated by 1/2	694	Code No.644 function OFF	1
646	ADU motor-1 ON	Decelerated by 1/2	696	Code No.646 function OFF	1

*1

Fully pull out the EPU tray toward you while the transfer belt remains. If it is not fully pulled out,

the drum shaft and the drum flange may scratch each other and thus the flange may be worn out.

*2

1. Pull the duplexing unit lever and then separate the transfer belt and the 2nd transfer roller.
2. Pull out the EPU (developer unit) tray until it comes to a stop while the transfer belt is left.
 - * Pull out the EPU tray completely otherwise the transfer belt and the photoconductive drum may scratch each other.
3. Insert a door-switch jig into the cover interlock switch on the left upper side of the fuser unit in order not to turn the 24 V power OFF.

Code	Function	Speed	Code	Function	Procedur
710	Drum motor-K ON (Operation available without the process unit)	Decelerated by 1/3	760	Code No.710 function OFF	1 (*1)
711	Drum motor-YMC ON(Operation available without the process unit)	Decelerated by 1/3	761	Code No.711 function OFF	1 (*1)
712	Developer unit motor-K ON(Operation available without the process unit)	Decelerated by 1/3	762	Code No.712 function OFF	1
713	Developer unit motor-YMC ON(Operation available without the process unit)	Decelerated by 1/3	763	Code No.713 function OFF	1
716	Transfer belt motor ON(Operation available without the process unit)	Decelerated by 1/3	766	Code No.716 function OFF	1 (*2)
720	Feed motor (normal rotation) ON(Paper fed from 1st drawer)	Decelerated by 1/3	770	Code No.720 function OFF	1
721	Feed motor (reverse rotation) ON(Paper fed from 2nd drawer)	Decelerated by 1/3	771	Code No.721 function OFF	1
722	Feed/transport motor ON	Decelerated by 1/3	772	Code No.722 function OFF	1
723	Tandem LCF feed motor ON	Decelerated by 1/3	773	Code No.723 function OFF	1
724	Transport motor-1 ON	Decelerated by 1/3	774	Code No.724 function OFF	1
725	Transport motor-2 ON	Decelerated by 1/3	775	Code No.725 function OFF	1
726	Bypass motor ON	Decelerated by 1/3	776	Code No.726 function OFF	1
727	Option LCF transport motor ON	Decelerated by 1/3	777	Code No.727 function OFF	1
728	Registration motor ON	Decelerated by 1/3	778	Code No.728 function OFF	1
729	Fuser motor (normal rotation) ON	Decelerated by 1/3	779	Code No.729 function OFF	1
730	Bridge unit transport entrance motor ON	Decelerated by 1/3	780	Code No.730 function OFF	1
732	Reverse motor (normal rotation) ON	Decelerated by 1/3	782	Code No.732 function OFF	1
734	Reverse motor (reverse rotation) ON	Decelerated by 1/3	784	Code No.734 function OFF	1
736	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	Decelerated by 1/3	786	Code No.736 function OFF	1
738	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	Decelerated by 1/3	788	Code No.738 function OFF	1
740	Exit motor (normal rotation) ON (lower exit tray direction)	Decelerated by 1/3	790	Code No.740 function OFF	1
742	Exit motor (reverse rotation) ON (upper exit tray direction)	Decelerated by 1/3	792	Code No.742 function OFF	1
744	ADU motor-2 ON	Decelerated by 1/3	794	Code No.744 function OFF	1
746	ADU motor-1 ON	Decelerated by 1/3	796	Code No.746 function OFF	1

*1

Fully pull out the EPU tray toward you while the transfer belt remains. If it is not fully pulled out,

the drum shaft and the drum flange may scratch each other and thus the flange may be worn out.

*2

1. Pull the duplexing unit lever and then separate the transfer belt and the 2nd transfer roller.
2. Pull out the EPU (developer unit) tray until it comes to a stop while the transfer belt is left.
 - * Pull out the EPU tray completely otherwise the transfer belt and the photoconductive drum may scratch each other.
3. Insert a door-switch jig into the cover interlock switch on the left upper side of the fuser unit in order not to turn the 24 V power OFF.

Code	Function	Speed	Code	Function	Procedur
801	Feed motor (normal rotation) ON(Paper fed from 1st drawer)	High speed 1	851	Code No.801 function OFF	1
806	Feed motor (reverse rotation) ON(Paper fed from 2nd drawer)	High speed 1	856	Code No.806 function OFF	1
811	Feed/transport motor ON	High speed 1	861	Code No.811 function OFF	1
816	Tandem LCF feed motor ON	High speed 1	866	Code No.816 function OFF	1
821	Transport motor-1 ON	High speed 1	871	Code No.821 function OFF	1
826	Transport motor-2 ON	High speed 1	876	Code No.826 function OFF	1
831	Bypass motor ON	High speed 1	881	Code No.831 function OFF	1
836	Option LCF transport motor ON	High speed 1	886	Code No.836 function OFF	1
841	Registration motor ON	High speed 1	891	Code No.841 function OFF	1
901	Bridge unit transport entrance motor ON	High speed 1	951	Code No.901 function OFF	1
904	Bridge unit transport entrance motor ON	High speed 2	954	Code No.904 function OFF	1
905	Bridge unit transport entrance motor ON	High speed 3	955	Code No.905 function OFF	1
906	Reverse motor (normal rotation) ON	High speed 1	956	Code No.906 function OFF	1
909	Reverse motor (normal rotation) ON	High speed 2	959	Code No.909 function OFF	1
910	Reverse motor (normal rotation) ON	High speed 3	960	Code No.910 function OFF	1
911	Reverse motor (reverse rotation) ON	High speed 1	961	Code No.911 function OFF	1
914	Reverse motor (reverse rotation) ON	High speed 2	964	Code No.914 function OFF	1
915	Reverse motor (reverse rotation) ON	High speed 3	965	Code No.915 function OFF	1
916	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	High speed 1	966	Code No.916 function OFF	1
919	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	High speed 2	969	Code No.919 function OFF	1
920	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	High speed 3	970	Code No.920 function OFF	1
921	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	High speed 1	971	Code No.921 function OFF	1
924	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	High speed 2	974	Code No.924 function OFF	1
925	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	High speed 3	975	Code No.925 function OFF	1
926	Exit motor (normal rotation) ON (lower exit tray direction)	High speed 1	976	Code No.926 function OFF	1
929	Exit motor (normal rotation) ON (lower exit tray direction)	High speed 2	979	Code No.929 function OFF	1

930	Exit motor (normal rotation) ON (lower exit tray direction)	High speed 3	980	Code No.930 function OFF	1
931	Exit motor (reverse rotation) ON (upper exit tray direction)	High speed 1	981	Code No.931 function OFF	1
934	Exit motor (reverse rotation) ON (upper exit tray direction)	High speed 2	984	Code No.934 function OFF	1
935	Exit motor (reverse rotation) ON (upper exit tray direction)	High speed 3	985	Code No.935 function OFF	1
936	ADU motor-2 ON	High speed 1	986	Code No.936 function OFF	1
939	ADU motor-2 ON	High speed 2	989	Code No.939 function OFF	1
940	ADU motor-2 ON	High speed 3	990	Code No.940 function OFF	1
941	ADU motor-1 ON	High speed 1	991	Code No.941 function OFF	1
944	ADU motor-1 ON	High speed 2	994	Code No.944 function OFF	1
945	ADU motor-1 ON	High speed 3	995	Code No.945 function OFF	1

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Code	Function	Speed	Code	Function	Procedur
503	Polygonal motor (600dpi) ON	High speed	553	Code No.503 function OFF	1
510	Drum motor-K ON (Operation available without the process unit)	High speed	560	Code No.510 function OFF	1 (*1)
511	Drum motor-YMC ON (Operation available without the process unit)	High speed	561	Code No.511 function OFF	1 (*1)
512	Developer unit motor-K ON (Operation available without the process unit)	High speed	562	Code No.512 function OFF	1
513	Developer unit motor-YMC ON (Operation available without the process unit)	High speed	563	Code No.513 function OFF	1
516	Transfer belt motor ON (Operation available without the process unit)	High speed	566	Code No.516 function OFF	1 (*2)
520	Feed motor (normal rotation) ON (Paper fed from 1st drawer)	High speed	570	Code No.520 function OFF	1
521	Feed motor (reverse rotation) ON (Paper fed from 2nd drawer)	High speed	571	Code No.521 function OFF	1
522	Feed/transport motor ON (3rd and 4th drawer)	High speed	572	Code No.522 function OFF	1
523	Tandem LCF end fence motor ON	High speed	573	Code No.523 function OFF	1
524	Transport motor-1 ON	High speed	574	Code No.524 function OFF	1
525	Transport motor-2 ON	High speed	575	Code No.525 function OFF	1
526	Bypass motor ON	High speed	576	Code No.526 function OFF	1
527	Option LCF transport motor ON	High speed	577	Code No.527 function OFF	1
528	Registration motor ON	High speed	578	Code No.528 function OFF	1
529	Fuser motor (normal rotation) ON	High speed	579	Code No.529 function OFF	1
530	Bridge unit transport entrance motor ON	High speed	580	Code No.530 function OFF	1
532	Reverse motor (normal rotation) ON	High speed	582	Code No.532 function OFF	1
534	Reverse motor (reverse rotation) ON	High speed	584	Code No.534 function OFF	1
536	Bridge unit transport exit motor (normal rotation) ON (lower exit tray direction)	High speed	586	Code No.536 function OFF	1
538	Bridge unit transport exit motor (reverse rotation) ON (upper exit tray direction)	High speed	588	Code No.538 function OFF	1
540	Exit motor (normal rotation) ON (lower exit tray direction)	High speed	590	Code No.540 function OFF	1
542	Exit motor (reverse rotation) ON (upper exit tray direction)	High speed	592	Code No.542 function OFF	1
544	ADU motor-2 ON	High speed	594	Code No.544 function OFF	1
546	ADU motor-1 ON	High speed	596	Code No.546 function OFF	1

*1

Fully pull out the EPU tray toward you while the transfer belt remains. If it is not fully pulled out, the drum shaft and the drum flange may scratch each other and thus the flange may be worn out.

*2

Follow the procedure below.

1. Pull the duplexing unit lever and then separate the transfer belt and the 2nd transfer roller.
2. Pull out the EPU (developer unit) tray until it comes to a stop while the transfer belt is left.
 - * Pull out the EPU tray completely otherwise the transfer belt and the photoconductive drum may scratch each other.
3. Insert a door-switch jig into the cover interlock switch on the left upper side of the fuser unit in order not to turn the 24V power OFF.

Test print mode (test mode 04)

Code	Function	Remarks	Function	Procedure
33	Overall halftone for printer (Image)		5	SYS
70	Pattern for checking uneven image density correction in primary scanning direction	Available only when A4/LT paper is selected (Not available for bypass feeding)	1	IMG
142	Grid pattern (black)	Pattern width: 2 dots, Pitch: 10	1	LGC
204	Grid pattern (color)	Pattern width: 1 dot, Pitch: 10 mm	2	LGC
219	6% test pattern		2	LGC
220	8% test pattern		2	LGC
231	Secondary scanning direction 33 gradation steps	3 pixels standard, Width: 10 mm	2	LGC
237	Halftone		2	LGC
262	Ladder pattern (4 lines ON / 4 lines OFF)	For color deviation confirmation	2	LGC
270	Image quality control test pattern	For checking the image quality	2	LGC
286	Laser array damage detection pattern	For finding damaged parts on the laser array if any abnormality has been detected	1	LGC

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2400		Adjustment for All (Y,M,C,K)	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2401		Adjustment for Y	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2402		Adjustment for M	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2403		Adjustment for C	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2404		Adjustment for K	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer	Adjustment of auto-toner initial adjustment reference setting value (YMCK) Y		2405	0	Adjustment of (YMCK) Y	130	0-255	M		4	Yes
05	Adjustment mode	Process	Developer	Adjustment of auto-toner initial adjustment reference setting value (YMCK) M		2405	1	Adjustment of (YMCK) M	130	0-255	M		4	Yes
05	Adjustment mode	Process	Developer	Adjustment of auto-toner initial adjustment reference setting value (YMCK) C		2405	2	Adjustment of (YMCK) C	130	0-255	M		4	Yes
05	Adjustment mode	Process	Developer	Adjustment of auto-toner initial adjustment reference setting value (YMCK) K		2405	3	Adjustment of (YMCK) K	130	0-255	M		4	Yes
05	Adjustment mode	Process	Developer	Auto adj. for dev. material supply and ATS		2406		Adjustment for 3 colors(Y,M,C)	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Developer			2416		Forcible mixing in the developer unit			M	Decelerates the rotation of each developer unit mixer motor to mix the developer material in the developer unit forcibly. Perform this code when the process unit is installed or removed.	5	Yes
05	Adjustment mode	Process	Developer			2417		Manual forcible discharge of developer material			M	Discharges developer material forcibly.	5	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2461		Y	73	0-255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2462		M	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2463		C	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2464		K	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	Y	2627	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	Y	2627	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	M	2628	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	M	2628	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	C	2629	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	C	2629	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	K	2630	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Developer bias DC(-) calibration voltage	K	2630	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Developer	Target value for high density control		2662	0	Y	312	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Developer	Target value for high density control		2662	1	M	316	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Developer	Target value for high density control		2662	2	C	316	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Developer	Target value for high density control		2662	3	K	340	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	Y	2670	0	Y	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image quality control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	M	2670	1	M	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image quality control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	C	2670	2	C	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image quality control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	K	2670	3	K	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2729		When the light source is OFF	0	0~1023	M	Displays the output value of image quality sensor when the sensor light source is OFF.	2	
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2730		Transfer belt surface	0	0~1023	M	Displays the output value of image quality sensor (when there is no test pattern) on the transfer belt.	2	
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2731	0	Y	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2731	1	M	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2731	2	C	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image quality control	Output value display of image quality sensor		2731	3	K	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image quality control			2734		Light amount adjustment result of image quality sensor	0	0~255	M	The LED light amount adjustment value of this sensor is the reference value to set the reflected light from the belt surface.	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Process	Image quality control			2737		Relative humidity display during latest closed-loop control	0	0~100	M	Displays the relative humidity at the latest performing of the closed-loop control.	2	
05	Adjustment mode	Process	Image quality control			2742		Enforced execution of image quality closed-loop control			-	Performs the image quality control.	6	Yes
05	Adjustment mode	Process	Transfer			2761		Temperature/humidity sensor temperature display	23	0~100	M	Displays the preset temperature at the completion of a print job.	2	
05	Adjustment mode	Process	Transfer			2762		Temperature/humidity sensor humidity display	50	0~100	M	Displays the preset humidity at the beginning of warming-up.	2	
05	Adjustment mode	Process	Charger			2763		Drum thermistor temperature display (K)	23	0~100	M	(Unit: °C)	2	
05	Adjustment mode	Process	Charger			2764		Drum thermistor temperature display (Y)	23	0~100	M	(Unit: °C)	2	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor controlling status		2780	0	Sensor shutter-Y	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor controlling status		2780	1	Sensor shutter-M	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor controlling status		2780	2	Sensor shutter-C	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor controlling status		2780	3	Sensor shutter-K	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	0	Y (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	1	M (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	2	C (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	3	K (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	5	Y (high bias)	886	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	6	M (high bias)	886	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	7	C (high bias)	886	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	8	K (high bias)	886	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	10	Y (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	11	M (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	12	C (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output		2782	13	K (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	0	Y (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	1	M (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	2	C (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	3	K (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	5	Y (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	6	M (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	7	C (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor output (Shutter closed)		2787	8	K (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control			2788		Inspection of the sensors around the process unit			M	Displays the controlling status of the drum surface potential (V0) sensor and the drum surface potential (V0) sensor shutter closing in each of Y, M, C and K when [ERROR] occurs. Upper row: Drum surface potential (V0) sensor Lower row: Drum surface potential (V0) sensor shutter closing 0: Normally finished 1: Control paused 2: Sensor / shutter closing abnormality	6	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor shutter closing controlling status		2789	0	Sensor shutter-Y	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished 1: Control paused 2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor shutter closing controlling status		2789	1	Sensor shutter-M	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished 1: Control paused 2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor shutter closing controlling status		2789	2	Sensor shutter-C	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished 1: Control paused 2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	Drum surface potential sensor shutter closing controlling status		2789	3	Sensor shutter-K	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished 1: Control paused 2: Sensor abnormality	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	0	Y color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	1	Y color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	2	Y color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	3	M color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	4	M color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	5	M color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	6	C color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	7	C color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	8	C color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	9	K color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	10	K color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2800	11	K color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	0	Y color (middle low gradation1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	1	Y color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	2	Y color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	3	M color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	4	M color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	5	M color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	6	C color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	7	C color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	8	C color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	9	K color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	10	K color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2801	11	K color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	0	Y color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	1	Y color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	2	Y color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	3	M color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	4	M color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	5	M color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	6	C color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	7	C color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	8	C color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	9	K color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	10	K color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2802	11	K color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	0	Y color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	1	Y color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	2	Y color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	3	M color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	4	M color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	5	M color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	6	C color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	7	C color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	8	C color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	9	K color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	10	K color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image quality control	TRC control pattern detection value		2803	11	K color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	0	Y normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	1	M normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	2	C normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	3	K normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	4	K(4) normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	5	K(1) normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	6	Y decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	7	M decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	8	C decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	9	K decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	10	K(4) decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	11	K(1) decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	12	K(1) High speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	13	Y decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	14	M decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	15	C decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	16	K decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	17	K(4) decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	18	K(1) decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	4	Overhead transparencies	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	4	Overhead transparencies	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	4	Overhead transparencies	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	4	Overhead transparencies	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at jam recovery / bypass non-standard printing / tab paper printing.		2962	0	Normal speed / High speed	0	0~7	M	0: Disabled 1: Once 2: twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at jam recovery / bypass non-standard printing / tab paper printing.		2962	1	Decelerating 1 / Decelerating 2	0	0~7	M	0: Disabled 1: Once 2: twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of image quality control		2963	0	Normal speed/High speed	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of image quality control		2963	1	Decelerating1/Decelerating2	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of forced toner supply or standby after fusing		2966	0	Normal speed/High speed	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of forced toner supply or standby after fusing		2966	1	Decelerating1/Decelerating2	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (Y only)		2991	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (Y only)		2991	1	High	50	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (M only)		2992	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (M only)		2992	1	High	50	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (C only)		2993	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (C only)		2993	1	High	50	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Scanner	Scanner			3009		Log table switching for RADF copying (color)	0	0~4	SYS	0: Same log table as the one used at copying with original glass 1: Background reproduction - Light 2 2: Background reproduction - Light 1 3: Background reproduction - Dark 1 4: Background reproduction - Dark 2	1	
05	Adjustment mode	Scanner	Scanner	Image location adjustment		3030		Primary scanning direction (scan. section)	113	0~255	SYS	When the value increases by "1", the image shifts by approx. 0.0423 mm toward the front side of the paper.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Scanner	Scanner	Image location adjustment		3031		Secondary scanning direction(scan.section)	124	68~188	SYS	When the value increases by "1", the image shifts by approx. 0.09 mm toward the trailing edge of the paper.	1	Yes
05	Adjustment mode	Scanner	Scanner	Reproduction ratio adjustment		3032		Adj. secondary scan.direction	128	0~255	SYS	When the value increases by "1", the reproduction ratio in the secondary scanning direction (vertical to paper feeding direction) increases by approx. 0.025%.	1	Yes
05	Adjustment mode	Scanner	Scanner	Distortion mode		3033		Distortion mode			SYS	Moves carriages to the adjustment position.	6	Yes
05	Adjustment mode	Scanner	Scanner	Shading position adjustment		3034		Original glass	117	68~188	SYS	0.09524 mm/step	1	
05	Adjustment mode	Scanner	Scanner	Shading position adjustment		3035		RADF	133	68~188	SYS	0.09524 mm/step	1	
05	Adjustment mode	Scanner	RADF	Adjustment of RADF paper alignment		3040		Front side	12	0~20	SYS	When the value increases by "1", the aligning amount increases by approx. 0.4 mm.	1	
05	Adjustment mode	Scanner	RADF	Adjustment of RADF paper alignment		3041		Back side	5	0~20	SYS	When the value increases by "1", the aligning amount increases by approx. 0.4 mm.	1	
05	Adjustment mode	Scanner	RADF			3042		Fine adjustment of RADF transport speed	50	0~100	SYS	When the value increases by "1", the reproduction ratio of the secondary scanning direction on original (fed from the RADF) increases by approx. 0.1%.	1	Yes
05	Adjustment mode	Scanner	RADF			3043		RADF sideways deviation adjustment	128	0~255	SYS	When the value increases by "1", the image of original fed from the RADF shifts toward the rear side of paper by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Scanner	RADF	Leading edge position adjustment		3044		Front side	50	0~100	SYS	When the value increases by "1", the copied image of original fed from the RADF shifts toward the trailing edge of paper by approx. 0.2 mm.	1	Yes
05	Adjustment mode	Scanner	RADF	Leading edge position adjustment		3045		Back side	50	0~100	SYS	When the value increases by "1", the copied image of original fed from the RADF shifts toward the trailing edge of paper by approx. 0.2 mm.	1	Yes
05	Adjustment mode	Scanner	Scanner			3046		Carriage position adjustment during scanning from RADF (black)	128	0~255	SYS	When the value increases by "1", the carriage position shifts by approx. 0.1 mm toward the exit side when using the RADF.	1	
05	Adjustment mode	Scanner	Scanner			3047		Carriage position adjustment during scanning from RADF (color)	128	0~255	SYS	When the value increases by "1", the carriage position shifts by approx. 0.1 mm toward the exit side when using the RADF.	1	
05	Adjustment mode	Scanner	Scanner	Data transfer of characteristic value		3203		SLG board -> SYS board			SYS	Transfers the characteristic values of the scanner (shading correction factor / RGB color correction / reproduction ratio color deviation correction / shading position correction factor / reproduction ratio correction value in primary scanning direction)	6	Yes
05	Adjustment mode	Scanner	Scanner			3209		Data transfer of characteristic value of scanner / SYS board -> SLG board			SYS	Transfers the characteristic values of the scanner (shading correction factor / RGB color correction / reproduction ratio color deviation correction / shading position correction factor / reproduction ratio correction value in primary scanning direction) from the SRAM of the SYS board to the SRAM of the SLG board.	6	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Scanner	RADF			3210		Original reading start sensor Auto adj.			-	Perform the adjustment and initialization when the RADF board or RADF original reading start sensor is replaced.	6	Yes
05	Adjustment mode	Scanner	Scanner			3218		Shading correction plateAutomatic dust detection adjustment			-	Performs adjustment for automatic dust detection with the shading correction plate. If dust is detected, shading correction is performed by avoiding the dust.	6	
05	Adjustment mode	Scanner	RADF			3220		EEPROM initialization			-	Initializes EEPROM for the RADF.	6	
05	Adjustment mode	Scanner	RADF			3221		Original reading start sensor Manual adj.			-	Adjusts the RADF original reading start sensor of the RADF manually.	6	Yes
05	Adjustment mode	Scanner	RADF			3350		Trailing edge adjustment of scanning	50	0~100	SYS	When the value increases by "1", the trailing edge of scanned original becomes longer by 0.3 mm at RADF copying. When the value decreases by "1", the trailing edge of scanned original becomes shorter by 0.3 mm at RADF copying. * This code is effective when the value of 08-3075 is "1" (Allowed).	1	
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.		4005		PPC	128	0~255	M	When the value increases by "1", the writing start position shifts to the front side by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.		4006		PRT	128	0~255	M	When the value increases by "1", the writing start position shifts to the front side by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	16	Transport speed: 5	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor rotational speed		4016	17	Transport speed: 6	128	0-255	M		4	
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	0	1st drawer	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	1	2nd drawer	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	2	3rd drawer	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	3	4th drawer	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	4	T-LCF	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	5	Bypass feeding	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of drawer sideways deviation		4018	6	O-LCF	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	0	Long size	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	1	Short size	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	2	Middle size	128	0-255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4050		Top margin adjustment	0	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image			4051		Left margin adjustment (blank area at the left of the paper along the paper feeding direction)	0	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4052		Right margin adjustment	0	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4053		Bottom margin adjustment	0	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image			4054		Top margin adjustment (blank area at the leading edge of the paper)	24	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image			4055		Left margin adjustment (blank area at the left of the paper along the paper feeding direction)	0	0-255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image			4056		Right margin adjustment (blank area at the right of the paper along the paper feeding direction)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image			4057		Bottom margin adjustment (blank area at the trailing edge of the paper)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4058		1st drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4059		2nd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4060		3rd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4061		Bypass feeding	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4062		Duplex feeding	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4063		O-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image			4064	0	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing(black)	24	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	1	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing(black)	18	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	2	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing (color)	24	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	3	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing (color)	18	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	4	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing (Thick paper 1)	18	0~255	M	When the value increases, the blank area becomes wider.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image			4064	5	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing (Thick paper 1)	12	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/2)		4065		Common items	100	0~200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4066		Common items	100	0~200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	0	1stdrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	1	2nd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	2	3rddrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	3	4thdrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	4	ADU	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	5	T-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	6	O-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	7	Bypass feed	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/3)		4070		Common items	100	0~200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/3)		4071		Common items(Black)	100	0-200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4100	0	Plain paper; Long size	48	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4100	1	Plain paper; Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4100	2	Plain paper; Short size1	Refer to contents	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter <Default value> e-STUDIO5540C: 35 e-STUDIO6540C/6550C: NAD/NAC: 30 Others: 35	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4100	3	Plain paper; :Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4100	4	Plain paper; :Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4101	0	Plain paper; Long size	33	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4101	1	Plain paper; Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4101	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4101	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4101	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4103	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4103	1	Plain paper; Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4103	2	Plain paper; Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4103	3	Plain paper; ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4103	4	Plain paper; ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4104	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4104	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4104	2	Thick paper1 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4104	3	Thick paper1 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4104	4	Thick paper1 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4105	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4105	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4105	2	Thick paper2 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4105	3	Thick paper2 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4105	4	Thick paper2 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4106	0	Thick paper3 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4106	1	Thick paper3 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4106	2	Thick paper3 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4106	3	Thick paper3 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4106	4	Thick paper3 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4107	0	OHP film ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4107	1	OHP film ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4107	2	OHP film ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4107	3	OHP film ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4107	4	OHP film ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4108	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4108	1	Plain paper; Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4108	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4108	3	Plain paper; Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4108	4	Plain paper; Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4109	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4109	1	Plain paper; Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4109	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4109	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4109	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4110	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4110	1	Plain paper; Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4110	2	Plain paper; Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4110	3	Plain paper; :Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4110	4	Plain paper; :Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4111		Plain paper	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	0	Plain paper	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	1	Thick paper 1	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	2	Thick paper 2	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	3	Thick paper 3(black)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	4	Overhead transparencies	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	5	Thick paper 3(color)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	6	Thick paper 4(black)	30	0-63	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	7	Thick paper 4(color)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	8	Special paper 1	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	9	Special paper 2	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	10	Plain paper / High speed(black)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4115	0	Thick paper1 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4115	1	Thick paper1 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4115	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4115	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4115	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4116	0	Thick paper1 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4116	1	Thick paper1 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4116	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4116	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4116	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4117	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4117	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4117	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4117	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4117	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4118	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4118	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4118	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4118	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4118	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4119	0	Thick paper1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4119	1	Thick paper2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4119	2	Thick paper3(black)	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4119	3	Thick paper3(Color)	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4120	0	Thick paper1 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4120	1	Thick paper1 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4120	2	Thick paper1 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4120	3	Thick paper1 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4120	4	Thick paper1 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4122	0	Plain paper; Long size(High speed/black)	40	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4122	1	Plain paper; Middle size(High speed/black)	29	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4122	2	Plain paper; Short size1(High speed/black)	Refer to contents	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter <Default value> e-STUDIO5540C/6540C: 27 e-STUDIO6550C: NAD/NAC: 22 Others: 27	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4122	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4122	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4123	0	Plain paper; Long size(High speed/black)	25	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4123	1	Plain paper; Middle size(High speed/black)	29	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4123	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4123	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4123	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4124	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4124	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4124	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4124	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4124	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4125	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4125	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4125	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4125	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4125	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4126		Plain paper(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4127	0	Plain paper; Long size(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4127	1	Plain paper; Middle size(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4127	2	Plain paper; Short size1(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4127	3	Plain paper; Short size2(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4127	4	Plain paper; Short size3(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4128	0	Special paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4128	1	Special paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4128	2	Special paper1 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4128	3	Special paper1 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4128	4	Special paper1 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4129	0	Special paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4129	1	Special paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4129	2	Special paper2 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4129	3	Special paper2 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4129	4	Special paper2 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	0	Y	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	1	M	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	2	C	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4402		Common items	100	0-200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	0	1stdrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	1	2nddrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	2	3rddrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	3	4thdrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	4	O-LCF	Refer to contents	0-63	M	<Default value> JPC: 20 NAD/NAC: 16 Other: 12	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	5	T-LCF	Refer to contents	0-63	M	<Default value> JPC: 28 Other: 8	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	0	1stdrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	1	2nddrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	2	3rddrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	3	4thdrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	4	O-LCF	50	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	5	T-LCF	60	0-63	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of drum motor rotation speed		4520	0	Transport speed: Normal speed (Color)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of drum motor rotation speed		4520	1	Transport speed: Decelerated by1/2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of drum motor rotation speed		4520	2	Transport speed: Decelerated by1/3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of drum motor rotation speed		4520	3	Transport speed: Normal speed (Monochrome)	128	0-255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	0	Transport speed: Normal speed (Color)	138	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	1	Transport speed: Decelerated by 1/2	114	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	2	Transport speed: Decelerated by 1/3	122	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	3	Transport speed: Normal speed (Monochrome)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	12	Transport speed: 1	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	13	Transport speed: 2	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	14	Transport speed: 3	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	15	Transport speed: 4	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	16	Transport speed: 5	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of registration motor rotation speed		4523	17	Transport speed: 6	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adj. of transfer belt motor speed		4526	0	Transport speed: Normal speed	128	0~255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adj. of transfer belt motor speed		4526	1	Transport speed: Decelerated by 1/2	126	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive	Fine adj. of transfer belt motor speed		4526	2	Transport speed: Decelerated by 1/3	124	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive	Fine adj. of transfer belt motor speed		4526	3	Transport speed: High speed	128	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	0	Transport speed: Normal speed (Color)	128	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	1	Transport speed: Decelerated by 1/2	134	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	2	Transport speed: Decelerated by 1/3	132	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	3	Transport speed: Normal speed (Monochrome)	128	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	5	Transport speed: Decelerated by 1/2 (Long size paper)	137	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of fuser roller rotational speed		4529	6	Transport speed: Decelerated by 1/3 (Long size paper)	141	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	0	Transport speed: Normal speed (Color)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	1	Transport speed: Decelerated by 1/2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	2	Transport speed: Decelerated by 1/3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	3	Transport speed: Normal speed (Monochrome)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	12	Transport speed: 1	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	13	Transport speed: 2	128	0-255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of feed/transport motor rotational speed		4532	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	0	Transport speed: Normal speed (Color)	102	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	1	Transport speed: Decelerated by 1/2	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	2	Transport speed: Decelerated by 1/3	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	3	Transport speed: Normal speed (Monochrome)	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	6	Transport speed: Decelerated by 1/3 (Long size paper)	135	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	12	Transport speed: 1	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	13	Transport speed: 2	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	14	Transport speed: 3	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	15	Transport speed: 4	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	16	Transport speed: 5	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of exit motor speed		4535	17	Transport speed: 6	128	0~255	M	0.05%/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4560		4th drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Normal speed	4561		T-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 2/3)		4562	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 2/3)		4563	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/3)		4564	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/3)		4565	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/3)		4566	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	0	Thick paper 1	51	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	1	Thick paper 2	52	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	2	Thick paper 3	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	3	Thick paper 4	55	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/3)		4567	4	OHP film	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/3)		4567	5	Special paper 1	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	6	Special paper 2	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	7	Thick paper 3	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	8	Thick paper 4	55	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	3	Special paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	4	Special paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	5	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/3)		4569	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	T-LCF	4579		Using icons			M	Press the button on the LCD.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4580	0	Plain paper; Long size	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4580	1	Plain paper; Middle size	35	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4580	2	Plain paper; Short size1	35	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4580	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4580	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4581	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4581	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4581	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4581	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4581	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4582	0	Thick paper2 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4582	1	Thick paper2 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4582	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4582	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4582	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4583	0	Thick paper2 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4583	1	Thick paper2 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4583	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4583	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4584	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4584	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4584	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4584	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4585	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4585	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4585	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4585	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4585	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4586	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4586	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4586	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4586	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4586	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4587	0	Long size(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4587	1	Middle size(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4587	2	Short size1(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4587	3	Short size2(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4587	4	Short size3(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4588	0	Thick paper3(black)Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4588	1	Thick paper3(black)Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4588	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4589	0	Thick paper3(black)Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4589	1	Thick paper3(black)Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4589	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4589	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4589	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4590	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4590	1	Thick paper3(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4590	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4590	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4591	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4591	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4591	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4592	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4592	1	Thick paper3(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4592	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4592	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4592	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4593	0	Thick paper3(black)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4593	1	Thick paper3(black)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4593	2	Thick paper3(black)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4593	3	Thick paper3(black)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4593	4	Thick paper3(black)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4600	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4600	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4600	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4600	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4600	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4601	0	Thick paper4(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4601	1	Thick paper4(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4601	2	Thick paper4(black)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4601	3	Thick paper4(black)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4601	4	Thick paper4(black)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4602	0	Thick paper4(black)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4602	1	Thick paper4(black)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4602	2	Thick paper4(black)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4602	3	Thick paper4(black)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4602	4	Thick paper4(black)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4603	0	Special paper1 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4603	1	Special paper1 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4603	2	Special paper1 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4603	3	Special paper1 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4603	4	Special paper1 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4604	0	Special paper2 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4604	1	Special paper2 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4604	2	Special paper2 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4604	3	Special paper2 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4604	4	Special paper2 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4605	0	Thick paper3(color)Long size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4605	1	Thick paper3(color)Middle size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4605	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4605	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	1st drawer	4605	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4606	0	Thick paper3(color)Long size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4606	1	Thick paper3(color)Middle size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4606	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4606	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	2nd drawer	4606	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4607	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4607	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4607	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4607	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	3rd drawer	4607	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4608	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4608	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4608	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4608	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	4th drawer	4608	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4609	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4609	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4609	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4609	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Option LCF	4609	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4610	0	Thick paper3(color)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4610	1	Thick paper3(color)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4610	2	Thick paper3(color)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4610	3	Thick paper3(color)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4610	4	Thick paper3(color)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4611	0	Thick paper4(color)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4611	1	Thick paper4(color)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4611	2	Thick paper4(color)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4611	3	Thick paper4(color)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4611	4	Thick paper4(color)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4612	0	Thick paper3(color)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4612	1	Thick paper3(color)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4612	2	Thick paper3(color)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4612	3	Thick paper3(color)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4612	4	Thick paper3(color)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4613	0	Thick paper4(color)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4613	1	Thick paper4(color)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4613	2	Thick paper4(color)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4613	3	Thick paper4(color)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	Bypass feeding	4613	4	Thick paper4(color)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4615	0	Thick paper2 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4615	1	Thick paper2 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4615	2	Thick paper2 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4615	3	Thick paper2 ;Short size2	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Paper aligning amount adjustment	ADU	4615	4	Thick paper2 ;Short size3	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Image quality control			4719		Forced color registration control			M	Forcibly performs the color registration control adjustment in order to eliminate the color deviation of Y, M, C and K colors.	6	Yes
05	Adjustment mode	Printer	Image quality control	Displaying parameters for color regist.		4720	0	Front & rear sides	0	0~255	M	Checks the cause of "CA00" error when it occurs. If the value of each bit is "0", it means normal. If the value of each bit is "1", it means abnormal. bit0: Y color rear side bit1: Y color front side bit2: M color rear side bit3: M color front side bit4: C color rear side bit5: C color front side bit6: K color rear side bit7: K color front side	10	Yes
05	Adjustment mode	Printer	Image quality control	Displaying parameters for color regist.		4720	1	Center	0	0~255	M	Checks the cause of a "CA00" error when it occurs. If the value of each bit is "0", it means normal. If the value of each bit is "1", it means abnormal. bit0: Y color center bit1: - bit2: M color center bit3: - bit4: C color center bit5: - bit6: K color center bit7: -	10	Yes
05	Adjustment mode	Printer	Maintenance			4721		Mirror motor initial excitation setting			M	Perform this adjustment when the laser unit or the SRAM on the LGC board has been replaced.	6	Yes
05	Adjustment mode	Printer	Image	Image void correction code	PPC (black)	4731	0	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PPC (color)	4731	1	Top margin	48	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (black)	4731	2	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (color)	4731	3	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PPC (black)	4731	4	Bottom margin	24	0~48	M	0.4 mm/10 step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Image void correction code	PPC (color)	4731	5	Bottom margin	24	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (black)	4731	6	Bottom margin	0	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (color)	4731	7	Bottom margin	0	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer feed motor rotational speed		4740	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	0	Transport speed: Normal speed	160	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 1st drawer transport motor rotational speed		4741	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	3	Transport speed: High speed	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of 2nd drawer transport motor rotational speed		4742	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	0	Transport speed: Normal speed	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	1	Transport speed: Decelerated by 1/2	128	0~255	M	0.09%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	2	Transport speed: Decelerated by 1/3	128	0~255	M	0.08%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	3	Transport speed: High speed	128	0~255	M	0.07%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	5	Transport speed: Decelerated by 1/2 (Long size paper)	172	0~255	M	0.09%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M	0.08%/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	12	Transport speed: 1	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	13	Transport speed: 2	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	14	Transport speed: 3	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	15	Transport speed: 4	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	16	Transport speed: 5	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bypass feeding feed motor rotational speed		4743	17	Transport speed: 6	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	12	Transport speed: 1	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of reverse motor speed		4744	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	14	Transport speed: 3	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	15	Transport speed: 4	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of ADU motor-1 rotational speed		4747	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	3	Transport speed: High speed	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	12	Transport speed: 1	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	13	Transport speed: 2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	14	Transport speed: 3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	15	Transport speed: 4	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	16	Transport speed: 5	128	0-255	M		4	
05	Adjustment mode	Printer	Drive	Fine adjustment of O-LCF motor rotational speed		4762	17	Transport speed: 6	128	0-255	M		4	
05	Adjustment mode	Printer	Laser	Fine adj. of image writing frequency	Reproduction ratio in primary scanning dir.	4772		Normal speed; PRT	128	0-255	M	This adjustment is for all colors. When the value increases by "1", the reproduction ratio in the primary scanning direction is enlarged by approx. 0.05%.(0.1 mm / step)	1	Yes
05	Adjustment mode	Printer	Laser	Fine adj. of image writing frequency	Reproduction ratio in primary scanning dir.	4773		Normal speed; PPC	128	0-255	M	This adjustment is for all colors. When the value increases by "1", the reproduction ratio in the primary scanning direction is enlarged by approx. 0.05%.(0.1 mm / step)	1	Yes
05	Adjustment mode	Printer	Laser			4782		Modulation adjustment for Y color image writing frequency (Partial adjustment of reproduction ratio in primary scanning direction)	256	0-512	M	When the value increases by "1", the reproduction ratio between the center and front sections of an image in the primary scanning direction is enlarged for approx. 0.003%.	1	
05	Adjustment mode	Printer	Feeding system/Paper transport			4784		Media sensor / Border value for plain paper 1 and plain paper 2	Refer to contents	0-255	M	3.22 mV/step <Default value> JPC: 32 Other: 27	1	
05	Adjustment mode	Printer	Feeding system/Paper transport	Drawer size setting method		4800	0	1st drawer	Refer to contents	0-2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Drawer size setting method		4800	1	2nd drawer	Refer to contents	0-2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Drawer size setting method		4800	2	3rd drawer	Refer to contents	0~2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Drawer size setting method		4800	3	4th drawer	Refer to contents	0~2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	2	ADU	0	-20~20	M	0.54 mm/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	0	Leading edge of the paper: 135 mm/s	128	100~156	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	1	Leading edge of the paper: 90 mm/s	128	86~170	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	2	Trailing edge of the paper: 135 mm/s	128	100~156	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	3	Trailing edge of the paper: 90 mm/s	128	86~170	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	Laser	Laser correction		4837	0	Highlight	0	0~255	M	The larger the value is, the darker the density becomes. The smaller the value is, the lighter the density becomes.	4	
05	Adjustment mode	Printer	Laser	Laser correction		4837	1	Density of solid image	0	0~100	M	The larger the value is, the darker the density becomes. The smaller the value is, the lighter the density becomes.	4	
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(black)		7025		ADF	128	0~255	SYS	The larger the adjustment value is, the lighter the background becomes. The smaller the adjustment value is, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7033		Text/Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7034		Text	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7041		Text/Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7042		Text	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7043		Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7044		Gray scale	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7048		Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7049		Gray scale	128	0-255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)	Black	7056		Text/Photo	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7057		Text	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7058		Photo	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7097		Text/Photo	2	0-4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7098		Text	2	0-4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(auto color)	Auto color & black	7102		Text/Photo	2	0-4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(auto color)	Auto color & black	7103		Text	2	0-4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7114		Text/Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7115		Text	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7117		Text/Photo	20	0-255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7118		Text	20	0-255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7120		Text/Photo	20	0-255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7121		Text	20	0-255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7123		Text/Photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7124		Text	128	0-255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	ADF scan noise reduction	PPC(black)		7150		User custom	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	ADF scan noise reduction	PPC(black)		7151		Text/Photo	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	PPC(black)		7152		Text	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(black)		7165		All media types			-	When color deviation is found in gradation reproduction, the gradation reproduction of color K can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	0	Beam level 0/4	0	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	1	Beam level 1/4	63	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	2	Beam level 2/4	127	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	3	Beam level 3/4	191	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	4	Beam level 4/4	255	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Automatic density adjustment	7236		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7237		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7249		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7252		User custom	2	0~4	SYS	The larger the value, the more smudged text is suppressed. The smaller the value, the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7258		User custom	128	0~255	SYS	The larger the value, the darker the image of the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7261		User custom	20	0~255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7264		User custom	20	0~255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7267		User custom	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7279		User custom	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7280		User custom	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Automatic density adjustment	7283		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Automatic density adjustment	7284		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7286		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7287		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Automatic density adjustment	7295		Gray scale	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7296		Gray scale	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	0	Black, Beamlevel 0/4	0	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	1	Black, Beamlevel 1/4	63	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	2	Black, Beamlevel 2/4	127	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	3	Black, Beamlevel 3/4	191	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	4	Black, Beamlevel 4/4	255	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/1200 dpi)		7302		PS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7305		PS(1200dpi)	5	0~9	SYS	The larger the value, the lighter the small letters or fine lines become and the less smudged text appears.	1	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	0	PS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	1	PCL	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	2	XPS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	2	High density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	0	Low density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	1	Medium density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	2	High density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	0	Low density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	1	Medium density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	2	High density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	2	XPS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(black)	7323	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(black)	7323	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7340		PS	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7341		PCL	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7342		XPS	1	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600dpi/Auto	PS/text	7360	0	Low density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600dpi/Auto	PS/text	7360	1	Medium density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/text	7366	1	Medium density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/text	7366	2	High density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/graphics	7367	0	Low density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/graphics	7367	1	Medium density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/graphics	7367	2	High density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/image	7368	0	Low density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/image	7368	1	Medium density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/image	7368	2	High density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(black)		7400		Usercustom	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(black)		7401		Text/Photo	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(black)		7402		Text	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(black)		7403		Photo	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(black)		7404		Gray scale	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7416		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7417		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7418		Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7419		Gray scale	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7421		Text/Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7422		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7423		Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7424		Gray scale	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7425		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7426		Usercustom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7430		Text/Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7431		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7432		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7433		Gray scale	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7444		Text/Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7445		Text	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7446		Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7447		Gray scale	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7456		Text/Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7457		Text	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7458		Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7459		Gray scale	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7470		User custom	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7475		User custom	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7478		User custom	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Image			7489		Amount of surrounding void (network scanning)	0	0-255	SYS	When the value increases, the blank area around the scanned image becomes wider. (e.g.: In network scanning with 600 dpi, if the setting value is "1", the blank area increases by 1 dot.)	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7533		Text/Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7534		Text	128	0-255	SYS	The larger the value, the lighter the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7535		Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Automatic density adjustment	7542		Text/Photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Automatic density adjustment	7543		Photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	0	Beam level 0/4	0	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	1	Beam level 1/4	63	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	2	Beam level 2/4	127	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	3	Beam level 3/4	191	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	4	Beam level 4/4	255	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Blank page judgment threshold adjustment			7618		PPC/SCN	128	0~255	SYS	The larger the value, the more the original tends to be judged as a blank page.	1	Yes
05	Adjustment mode	Image Processing	ACS judgment threshold			7630		PPC/SCN	70	0~255	SYS	The larger the value, the more the original tends to be judged as black even in the auto color mode. The smaller the value, the more it tends to be judged as color.	1	Yes
05	Adjustment mode	Image Processing	Printer LUT color transformation selection	PPC(color)		7640		User custom	Refer to contents	0~3	SYS	Sets the color conversion table which focuses on the reproduction of vermilion ink to the User mode. Use this code to improve the reproduction of vermilion ink. This code is enabled only when the value of 08-7614 is "1". 0: Text/Photo, Printed photo, text, map 1: Photo (developing paper) 2: Vermilion ink (lighter) 3: Vermilion ink (darker) <Default value> CND: 2 Others: 0	1	
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	0	High density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	1	Medium density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	2	Low density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	0	High density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	1	Medium density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	2	Low density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7656		Text/Photo	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7657		Text	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7658		Photo	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7659		Photo (developing paper)	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7660		Map	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7661		User custom	128	0~255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Auto density adjustment	7667		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Auto density adjustment	7668		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Manual density adjustment	7669		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Manual density adjustment	7670		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Auto density adjustment	7676		Text/Photo	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Auto density adjustment	7677		Text	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Manual density adjustment	7678		Text/Photo	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Manual density adjustment	7679		Text	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	ADF scan noise reduction	PPC(color)	User custom	7693		Enable/Disable setting	1	0~1	SYS	0: Disabled 1: Enabled	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	PPC(color)	Text/Photo	7694		Enable/Disable setting	1	0~1	SYS	0: Disabled 1: Enabled	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7727		Text/Photo	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7728		Text	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7729		Printed image	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7730		Photo (developing paper)	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7731		Map	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7744		Text/Photo	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7745		Text	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7746		Printed image	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7747		Photo (developing paper)	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7748		Map	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7749		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7750		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7751		Printed image	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7752		Photo (developing paper)	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7753		Map	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7754		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7755		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7756		Printed image	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7757		Photo (developing paper)	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7758		Map	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7759		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7760		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7761		Printed image	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7762		User custom	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Manual density adjustment	7763		User custom	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Full color	7764		ADF	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Mono color	7765		ADF	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Twin color	7766		ADF	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7767		Text/Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7768		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7769		Printed image	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7770		Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7771		Map	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7772		Text/Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7773		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7774		Printed image	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7775		Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7776		Map	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7777		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7778		User custom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7795		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7796		Text/Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7797		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7798		Printed image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7799		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7800		Map	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7806		Text/Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7807		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7808		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7809		Gray scale	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7811		Text/Photo	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7812		Text	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7816		User custom	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Text/Photo reproduction level adjustment	PPC(color)		7840		Text/Photo	0	0~5	SYS	0: Default 1: Photo-oriented 2 (The reproduction level of printed image is higher than that of the Photo-oriented 1) 2: Photo-oriented 1 (The reproduction level of printed image is higher than that of the default setting) 3: Equivalent to the default setting 4: Text-oriented 1 (The reproduction level of text is higher than that of the default setting) 5: Text-oriented 2 (The reproduction level of text is higher than that of text-oriented 1)	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Text/Photo reproduction level adjustment	PPC(color)		7841		User custom	0	0~5	SYS	0: Default 1: Photo-oriented 2 (The reproduction level of printed image is higher than that of the Photo-oriented 1) 2: Photo-oriented 1 (The reproduction level of printed image is higher than that of the default setting) 3: Equivalent to the default setting 4: Text-oriented 1 (The reproduction level of text is higher than that of the default setting) 5: Text-oriented 2 (The reproduction level of text is higher than that of text-oriented 1)	1	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	0	PPC(color) "Y"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more reddish the color becomes, and the larger the value, the more greenish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	1	PPC(color) "M"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more bluish the color becomes, and the larger the value, the more reddish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	2	PPC(color) "C"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more greenish the color becomes, and the larger the value, the more bluish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	3	PPC(color) "R"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the closer to Magenta the color becomes, and the larger the value, the more yellowish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	4	PPC(color) "G"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value is, the more yellowish the color becomes, and the larger the value, the closer to Cyan the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	5	PPC(color) "B"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the closer to Cyan the color becomes, and the larger the value, the closer to Magenta the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7869		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7889		Y	5	0~10	SYS	The larger the value, the darker the text becomes.	1	Yes
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7890		M	5	0~10	SYS	The larger the value, the darker the text becomes.	1	Yes
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7891		C	5	0~10	SYS	The larger the value, the darker the text becomes.	1	Yes
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7892		K	5	0~10	SYS	The larger the value, the darker the text becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7902		Plain paper1	255	0-255	SYS	The smaller the value, the less toner is adhered to the high density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7903		Plain paper2	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7904		Recycled paper	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7905		Thick paper1	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7906		Thick paper2	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7907		Thick paper3	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7908		Thick paper4	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7909		Special paper1	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7910		Special paper2	255	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7911		OHP film	240	0-255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	0	Plain paper 1	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	1	Plain paper 2	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	2	Recycled paper	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	3	Thick paper 1	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	4	Thick paper 2	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	

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05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	5	Thick paper 3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	6	Thick paper 4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	7	Special paper 1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	8	Special paper 2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text/Photo	7960	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text/Photo	7960	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text/Photo	7960	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text	7961	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text	7961	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text	7961	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Printed image	7962	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Printed image	7962	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Printed image	7962	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Photo (developing paper)	7963	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Photo (developing paper)	7963	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Photo (developing paper)	7963	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Map	7964	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Map	7964	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Map	7964	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text/Photo	7965	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text/Photo	7965	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text/Photo	7965	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text	7966	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text	7966	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes

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05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Text	7966	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Printed image	7967	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Printed image	7967	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Printed image	7967	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Printed image	7972	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Printed image	7972	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Printed image	7972	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes

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05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text/Photo	7975	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text/Photo	7975	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text/Photo	7975	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text	7976	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text	7976	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text	7976	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Printed image	7977	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Printed image	7977	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Printed image	7977	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Photo (developing paper)	7978	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Photo (developing paper)	7978	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Photo (developing paper)	7978	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Map	7979	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Map	7979	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Map	7979	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	User custom	7980	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	User custom	7980	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	User custom	7980	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	User custom	7981	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	User custom	7981	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	User custom	7981	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes

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05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	User custom	7982	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	User custom	7982	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	User custom	7982	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	User custom	7983	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	User custom	7983	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	User custom	7983	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Image			8002		Color reproduction level switchover for twin color	0	0-1	SYS	Selecting "0" gives the priority to the gradation level, but the density level of color texts becomes lighter. Selecting "1" gives the priority to the density level of color texts, but the gradation level becomes worse. 0: Gradation priority 1: Text reproduction priority	1	
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	600dpi	8004	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color)	1200dpi	8005	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color/600 dpi)		8008		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color/1200dpi)		8009		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Color/600 dpi	8010	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Color/600 dpi	8010	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Color/600 dpi	8010	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Twin color/600dpi	8011	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Twin color/600dpi	8011	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Twin color/600dpi	8011	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Monocolor /600dpi	8012	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Monocolor /600dpi	8012	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Smooth/Monocolor /600dpi	8012	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Color/600dpi	8013	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Color/600dpi	8013	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Color/600dpi	8013	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Twin color/600dpi	8014	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Twin color/600dpi	8014	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Twin color/600dpi	8014	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Monocolor/600dpi	8015	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Monocolor/600dpi	8015	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)	Detail/Monocolor/600dpi	8015	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)		8016		Smooth/Color/1200dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(black)		8018		Smooth/Black/1200 dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(color)		8019		Detail/Color/1200dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(black)		8021		PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Detail/600dpi	8040	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Detail/600dpi	8040	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PCL/Detail/600dpi	8063	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PCL/Detail/600dpi	8063	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PCL/Detail/600dpi	8064	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PCL/Detail/600dpi	8064	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PCL/Detail/600dpi	8064	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Image			8066		Color balance adjustment mode switchover(Network print)	0	0~1	SYS	Switches the image processing method for color balance adjustment for network printing by changing the default value "0" to "1" so that the density of solid images will become lighter along with the adjustment. 0: Adjusts color balance with the solid image density fixed 1: Adjusts color balance with the solid image density varied	1	
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Detail	8070	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/600 dpi)	Smooth	8071	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Detail	8089	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Maximum toner density threshold adj.	PRT(color/1200dpi)	Smooth	8090	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT (color)	8102	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT (color)	8102	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT (color)	8102	2	XPS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT (color)	8103	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT (color)	8103	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/General	8110	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/General	8110	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/General	8110	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Photograph	8111	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Photograph	8111	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Photograph	8111	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Presentation	8112	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Presentation	8112	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Presentation	8112	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Line art	8113	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Line art	8113	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color)	e-BRIDGE/PS/Line art	8113	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	0	Text	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. If the value of 05-7322 is "0", the adjustment is applied to text, and if the value is "1", the adjustment is applied to text and others. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	1	Graphics	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. If the value of 05-7322 is "0", the adjustment is applied to graphics, and if the value is "1", the adjustment is applied to thin text. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	2	Image	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	0	Text	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	1	Graphics	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	2	Image	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(color)		8130		PS	0	0-8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(color)		8131		PCL	0	0-8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(color)		8132		XPS	0	0-8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PRT(color/600 dpi)		8145		OHP film	200	0-255	SYS	The larger the value, the density of the entire image increases (the darker the image becomes) and the permeability of the image decreases. The smaller the value, the density of the entire image decreases (the lighter the image becomes) and the permeability of the image increases. * Image offset may occur if the value is too large.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PRT(color/1200dpi)		8149		OHP film	200	0~255	SYS	The larger the value, the density of the entire image increases (the darker the image becomes) and the permeability of the image decreases. The smaller the value, the density of the entire image decreases (the lighter the image becomes) and the permeability of the image increases. * Image offset may occur if the value is too large.	1	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	0	PS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	1	PCL	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	2	XPS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(color/1200dpi)		8161		PS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	1	Yes
05	Adjustment mode	Image Processing	Screen switchover	e-BRIDGE		8176		PRT(color)	0	0~1	SYS	0: High screen ruling value (smoother image) 1: Low screen ruling value (rougher image)	1	Yes
05	Adjustment mode	Image Processing	Screen switchover	EFI		8179		PRT(color)	0	0~1	SYS	0: High screen ruling value (smoother image) 1: Low screen ruling value (rougher image)	1	Yes
05	Adjustment mode	Image Processing	Image	Screen switchover		8187		Monochrome graphics	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Image	Screen switchover		8188		Monochrome image	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Image	Screen switchover (EFI)		8190		Monochrome graphics	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Image	Screen switchover (EFI)		8191		Monochrome image	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Text	8210	0	General	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Text	8210	1	Photo	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Text	8210	2	Presentation	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Text	8210	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Graphic	8211	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Graphic	8211	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Graphic	8211	2	Presentation	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Graphic	8211	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Image	8212	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Image	8212	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Image	8212	2	Presentation	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PCL/Image	8212	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	Twin color print/General	8213		Text	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	Twin color print/General	8214		Graphics	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	Twin color print/General	8215		Image	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Black selection	PRT(color)	Twin color print	8218		Image	0	0-1	SYS	Sets whether the image on an original is printed in the color or the black mode. 0: OFF (printed in color) 1: ON (printed in black)	1	Yes
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	600dpi	8239	0	Default setting	0	0-3	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets whether automatic stroke adjustment is enabled or disabled if it is not included in the print data. If this setting is disabled, there will be an increase in cases in which the width of fine lines becomes thicker by 1 dot when they are printed. 0: Disabled 1: Enabled 2: Forcibly disabled (Ignores command in printing data) 3: Forcibly enabled (Ignores command in printing data)	4	
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	600dpi	8239	1	Minimum stroke width when disabled	2	1-2	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets the minimum width of fine lines when the automatic stroke adjustment is disabled. For example, if automatic stroke adjustment is disabled and the width of fine lines is set to "0" in the PS command, the width of the lines becomes 1 dot if the value of this code is set to "1"; equally, if it is set to "2", the width of the lines becomes 2 dots. 1: 1 dot 2: 2 dots	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	1200dpi	8239	2	Default setting	0	0~3	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets whether automatic stroke adjustment is enabled or disabled if it is not included in the print data. If this setting is disabled, there will be an increase in cases in which the width of fine lines becomes thicker by 1 dot when they are printed. 0: Disabled 1: Enabled 2: Forcibly disabled (Ignores command in printing data) 3: Forcibly enabled (Ignores command in printing data)	4	
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	1200dpi	8239	3	Minimum stroke width when disabled	2	1~2	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets the minimum width of fine lines when the automatic stroke adjustment is disabled. For example, if automatic stroke adjustment is disabled and the width of fine lines is set to "0" in the PS command, the width of the lines becomes 1 dot if the value of this code is set to "1"; equally, if it is set to "2", the width of the lines becomes 2 dots. 1: 1 dot 2: 2 dots	4	
05	Adjustment mode	Image Processing	Line width minimum value adjustment	PRT(color)		8240		600dpi	2	1~9	SYS	The larger the value, the darker the fine lines become.	1	Yes
05	Adjustment mode	Image Processing	Line width minimum value adjustment	PRT(color)		8241		1200dpi	4	1~9	SYS	The larger the value, the darker the fine lines become.	1	Yes
05	Adjustment mode	Image Processing	Image	Graphic line density adjustment(1200dpi)		8242	0	Gray (K)	3	0~5	SYS	The larger the value, the darker the fine lines become.	4	
05	Adjustment mode	Image Processing	Image	Graphic line density adjustment(1200dpi)		8242	1	Color (CMYK)	1	0~5	SYS	The larger the value, the darker the fine lines become.	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	0	Gray (K)lower limit value	1	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	1	Gray (K)upper limit value	200	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	2	Color (CMYK)lower limit value	1	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	3	Color (CMYK)upper limit value	255	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Auto Trapping setting	PRT(color)	PS/Text, PS/Graphic	8244	0	Trapping width (dot)	3	1~3	SYS	Sets the value of width for Auto Trapping. When the value increases, the bigger gap is suppressed, but the overlap part becomes more visible. 1: 1 dot 2: 2 dot 3: 3 dot	4	
05	Adjustment mode	Image Processing	Auto Trapping setting	PRT(color)	PS/Text, PS/Graphic	8244	1	Trapping density (%)	0	0~3	SYS	Sets the value of density for Auto Trapping. When the value increases, the bigger gap is suppressed, but the overlap part becomes more visible. 0: 100% 1: 75% 2: 50% 3: 25%	4	
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Text	8249	0	General	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Text	8249	1	Photo	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Text	8249	2	Presentation	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Text	8249	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Text	8249	4	Advanced	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Graphic	8250	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Graphic	8250	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Graphic	8250	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Graphic	8250	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Graphic	8250	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Image	8251	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Image	8251	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Image	8251	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Image	8251	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	XPS/Image	8251	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Text	8252	0	General	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Text	8252	1	Photo	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Text	8252	2	Presentation	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Text	8252	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Text	8252	4	Advanced	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Graphic	8253	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Graphic	8253	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Graphic	8253	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Graphic	8253	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Graphic	8253	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Image	8254	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Image	8254	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Image	8254	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Image	8254	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT(color)	PS/Image	8254	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8310		Text	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8311		Printed image	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8312		Photo (developing paper)	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8315		Text	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8316		Printed image	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8317		Photo (developing paper)	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8320		Text	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8321		Printed image	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8322		Photo (developing paper)	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8325		Text	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8326		Printed image	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8327		Photo (developing paper)	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8330		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8331		Printed image	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8332		Photo (developing paper)	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8334		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8335		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8336		Printed image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8337		Photo (developing paper)	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8340		Text	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8341		Printed image	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8342		Photo (developing paper)	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8344		Text	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8345		Printed image	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8346		Photo (developing paper)	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8348		Text	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8349		Printed image	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8350		Photo (developing paper)	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8361		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8362		Printed image	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8363		Photo (developing paper)	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8365		User custom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8370		User custom	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8371		User custom	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8372		User custom	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8373		User custom	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8375		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8380		User custom	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8381		User custom	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8382		User custom	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8385		Text	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8386		Printed image	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8387		Photo (developing paper)	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8389		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8390		Text	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8391		Printed image	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8392		Photo (developing paper)	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8394		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8400		Text/Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8402		Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8403		Gray scale	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8404		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8405		Text/Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8407		Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8408		Gray scale	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8409		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	Yes
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(color)		8412		User custom	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(color)		8414		Text	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(color)		8415		Printed image	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF scan noise reduction	SCN(color)		8416		Photo (developing paper)	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	System	Maintenance			9043		Equipment number (serial number) display			SYS	If this code is performed, 08-9601 is performed. 7 digits out of 9 digits can be entered except for upper 2 digits (fixed digits).	1	
05	Adjustment mode	System	Feeding system/Paper transport	Media sensor position adjustment		9092		Media sensor position adjustment			-	Checks the reference voltage of the media sensor while no paper is inserted between the tray and copy paper and adjusts the position of the sensor accordingly.	6	Yes
05	Adjustment mode	System	Image			9104		Compression quality of SLIM PDF background processing	5	0~10	SYS	0-10 0: High compression, low image quality 10: Low compression, high image quality	1	
05	Adjustment mode	System	Image			9107		Resolution of SLIM PDF background processing	1	0~3	SYS	0: 75dpi 1: 100dpi 2: 150dpi 3: 200dpi	1	
05	Adjustment mode	FAX	FAX			9850			4	0~7	SYS	When the value is entered for this code the ring tone comes from the speaker at the set volume. The set value is stored when the [INTERRUPT] button is pressed.	12	
05	Adjustment mode	System	Maintenance			9960		Display of equipment information (SRAM)	Refer to contents	0~2	SYS	Displays the equipment information in SRAM. 0: Not set 1: Destinations other than NAD/NAC 2: NAD/NAC <Default value> NAD/NAC: 2 Others: 1	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			2002		Fuser unit error status counter	0	0~71	M	0: No error, 1: C411, 2: C412, 3: C443, 4: Not used, 5: C445 and C465, 6: C446, 7: C447, 8: C468, 9: C449, 10: Not used, 11: C471, 12: Not used, 13: C473, 14: C480, 15: C481, 16: C474, 17: C490, 18: C468, 19: C449, 20: C468, 21: C449, 22: C449, 23: C449, 24: C447, 25: C449, 26: C468, 27: C449, 28: C468, 29: C449, 30: Not used, 31: Not used, 32: C448, 33: C467, 34: C467, 35 to 49: Not used, 50: C452, 51: C452, 52 to 60: Not used, 61: C461, 62: C462, 63 to 69: Not used, 70: C464, 71: C464	1	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	0	Normal temperature	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	1	Low temperature	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	2	Normal temperature (when recovered from sleep mode)	Refer to contents	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C <Default value> MJD/MJC: 11 Others: 10	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	3	Low temperature(when recovered from sleep mode)	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	4	Normal temperature (when recovered from sleep mode) BAM not supported	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	5	Low temperature (when recovered from sleep mode) BAM not supported	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2010	0	Fusing temperature during printing (Manual adjustment / Center / Fuser belt / Plain paper1)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2010	1	Fusing temperature during printing (Manual adjustment / Center / Fuser belt / Plain paper1)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	0	Heat roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	1	Heat roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	2	Press roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	3	Press roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	1	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	2	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Transparency: Heater forced On time		2015	0	Heat roller	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Transparency: Heater forced On time		2015	1	Press roller	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	0	Heat roller: special paper 1, normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	1	Heat roller: special paper 2, normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	2	Press roller: special paper 1, normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	3	Press roller: special paper 2, normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	4	Heat roller: special paper 1, long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	5	Heat roller: special paper 2, long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	6	Press roller: special paper 1, long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	7	Press roller: special paper 2, long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	0	Special paper 1 / Normal length paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	1	Special paper 2 / Normal length paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	2	Special paper 1 / Extra long size paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	3	Special paper 2 / Extra long size paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	0	Special paper 1 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	1	Special paper 2 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	2	Special paper 1 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	3	Special paper 2 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	0	Special paper 1 / Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	1	Special paper 2 / Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	2	Special paper 1 / Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	3	Special paper 2 / Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 3)		2028	0	Normal length paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 3)		2028	1	Extra long size paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Temperature setting to start error handling	Center and side thermistor	2030	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 3: Temperature setting to start error handling	Center and side thermistor	2030	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 3)		2031	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 3)		2031	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Threshold of number of sheets when heater is forced to turned on		2033	0	Heat roller	0	0~10	M	0: None 1: 5 sheets 2: 10 sheets 3: 15 sheets 4: 20 sheets 5: 30 sheets 6: 40 sheets 7: 50 sheets 8: 60 sheets 9: 80 sheets 10: 100 sheets	4	
08	Setting mode	Process	Fuser	Threshold of number of sheets when heater is forced to turned on		2033	1	Press roller	0	0~10	M	0: None 1: 5 sheets 2: 10 sheets 3: 15 sheets 4: 20 sheets 5: 30 sheets 6: 40 sheets 7: 50 sheets 8: 60 sheets 9: 80 sheets 10: 100 sheets	4	
08	Setting mode	Process	Fuser			2040		Drop control when ready	0	0~2	M	0: Invalid 1: Valid 2: Invalid in low temperature environment	1	
08	Setting mode	Process	Fuser	Drop temperature when ready		2041		Heat roller center	3	0~16	M	0: Invalid 1: Pattern 1 2: Pattern 2 3: Pattern 3 4: Pattern 4 5: Pattern 5 6: Pattern 6 7: Pattern 7 8: Pattern 8 9: Pattern 9 10: Pattern 10 11: Pattern 11 12: Pattern 12 13: Pattern 13 14: Pattern 14 15: Pattern 15 16: Pattern 16	1	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 1)		2049	0	Normal length paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 1)		2049	1	Extra long size paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 2)		2050	0	Normal length paper	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 2)		2050	1	Extra long size paper	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2051		Fusing temperature during printing (Center / Fuser belt / OHP film)	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser			2052		Pre-running time for first printing (OHP film)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	1	
08	Setting mode	Process	Fuser			2053	0	Pre-running time for first printing (Plain paper/Low temperature environment)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser			2053	1	Pre-running time for first printing (Plain paper/Low temperature environment)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 1)		2054	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 1)		2054	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 2)		2055	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 2)		2055	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser			2074		Pre-running time at print end	4	0~10	M	0: Invalid 1: 3 sec. 2: 5 sec. 3: 10 sec. 4: 15 sec. 5: 20 sec. 6: 25 sec. 7: 30 sec. 8: 40 sec. 9: 50 sec. 10: 60 sec.	1	
08	Setting mode	Process	Fuser	Thick paper 1: Temperature setting to start error handling	Center and side thermistor	2079	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 1: Temperature setting to start error handling	Center and side thermistor	2079	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	0	Manual mode: Plain paper1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	1	Manual mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	2	Auto mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	3	Auto mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	4	Bypass feed (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	5	Manual mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	6	Manual mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	7	Auto mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	8	Auto mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	9	Bypass feed (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 2: Temperature setting to start error handling	Center and side thermistor	2081	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 2: Temperature setting to start error handling	Center and side thermistor	2081	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	0	Black	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	1	Color	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	2	Thick paper 1, 2	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	3	Thick paper 3, 4	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	4	Special paper 1, 2	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	5	OHP film	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	6	Recycled/Black	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	7	Recycled/Color	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	8	Water proof paper special mode	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	9	Extra longsize paper	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	0	Manual mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	1	Manual mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	2	Auto mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	3	Auto mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	4	Bypass feed (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	5	Manual mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	6	Manual mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	7	Auto mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	8	Auto mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	9	Bypass feed (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser			2088		Transparency: Temperature setting to start error handling	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser	Pre-running time for first printing in ready status		2098	0	At normal temperatures	0	0~10	M	0: 3 sec. 1: 6 sec. 2: 9 sec. 3: 12 sec. 4: 15 sec. 5: 4 sec. 6: 5 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 11 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing in ready status		2098	1	At low temperatures	0	0~10	M	0: 3 sec. 1: 6 sec. 2: 9 sec. 3: 12 sec. 4: 15 sec. 5: 4 sec. 6: 5 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 11 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Center / Pressure roller)		2124	0	Normal temperature	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Center / Pressure roller)		2124	1	Low temperature	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	0	First drop	15	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	1	Second drop	30	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	2	Third drop	60	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser			2151	0	Fusing temperature during printing (Manual adjustment / Center / Pressure roller / Plain paper 1)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2151	1	Fusing temperature during printing (Manual adjustment / Center / Pressure roller / Plain paper 1)(color)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 1)		2153	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 1)		2153	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 2)		2155	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 2)		2155	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 3)		2159	0	Normal length paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 3)		2159	1	Extra long size paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2161		Fusing temperature during printing (Center / Pressure roller / Overhead transparencies)	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	0	Plain paper	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	1	Thick paper 1 to 3, transparency, special paper 1 to 2	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	2	Recycled paper	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	0	Heat roller center/BK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	2	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	3	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	4	Heat roller center/C or CK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	6	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	8	Heat roller center/BK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	10	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	11	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	12	Heat roller center/C or CK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	14	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	0	Heat roller center/BK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	2	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	3	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	4	Heat roller center/C or CK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	6	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	8	Heat roller center/BK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	10	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	11	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	12	Heat roller center/C or CK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	14	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 3)		2245	0	Fuser belt side	0	0~2	M	0: Invalid1: Valid only for 5 minutes after warming-up2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 3)		2245	1	Pressure roller side	0	0~2	M	0: Invalid1: Valid only for 5 minutes after warming-up2: Always valid	4	
08	Setting mode	Process	Fuser	Special paper: Temperature setting to start error handling	Center and side thermistor	2246	0	Special paper 1	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Special paper: Temperature setting to start error handling	Center and side thermistor	2246	1	Special paper 2	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser			2248		Threshold for pre-running application time at print end	2	0~10	M	0: None 1: 30 sec. 2: 60 sec. 3: 90 sec. 4: 120 sec. 5: 150 sec. 6: 180 sec. 7: 210 sec. 8: 240 sec. 9: 270 sec. 10: 300 sec.	1	
08	Setting mode	Process	Fuser	Fusing temperature in the low power mode		2255		Center/Pressure roller	9	0~25	M	0: OFF 1: 40°C 2: 45°C 3: 50°C 4: 55°C 5: 60°C 6: 65°C 7: 70°C 8: 75°C 9: 80°C 10: 85°C 11: 90°C 12: 95°C 13: 100°C 14: 105°C 15: 110°C 16: 115°C 17: 120°C 18: 125°C 19: 130°C 20: 135°C 21: 140°C 22: 145°C 23: 150°C 24: 155°C 25: 160°C	1	Yes
08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	0	Pressure roller/ Lower limit	Refer to contents	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C <Default value> MJD/MJC: 1 Others: 0	4	
08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	1	Pressure roller/ Upper limit	0	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	

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08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	2	Pressure roller/ Lower limit (for MJD model)	0	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C	4	
08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	3	Pressure roller/ Upper limit (for MJD model)	0	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	
08	Setting mode	Process	Transfer			2307		Setting of 2nd transfer bias table (for each destination/paper thickness)	Refer to contents	0~5	M	0: 80 g/m2 (21.3 lb./)EUR 1: 75 g/m2 (20 lb./)UC 2: 64 g/m2 (17.1 lb./)JPN 3: - 4: - 5: - <Default value> MJD/MJC: 0 NAD/NAC: 1 Others: 2	1	
08	Setting mode	Process	Charger			2365		Main charger wire cleaning - cycle setting	2	0~9	M	0: Invalid 1: 500 pages 2: 1000 pages 3: 2000 pages 4: 3000 pages 5: 5000 pages 6: 7500 pages 7: 10000 pages 8: 20000 pages 9: 30000 pages	1	Yes
08	Setting mode	Process	Ozone suctioning fan			2370		High-speed rotation period in ready status	5	0~10	M	0: No control 1: 15 sec. 2: 20 sec. 3: 25 sec. 4: 30 sec. 5: 40 sec. 6: 50 sec. 7: 60 sec. 8: 90 sec. 9: 2 min. 10: 3 min.	1	
08	Setting mode	Process	Charger			2380		Setting for control of drum rotation without fusing in standby mode	1	0~1	M	0: OFF 1: ON	1	
08	Setting mode	Process	Charger			2381		Starting time of drum rotation without fusing in standby mode	4	0~6	M	The drum starts rotating without fusing after the following period of time has passed since the start of the standby mode. 0: 1 minute and 30 seconds 1: 2 minutes and 50 seconds 2: 3 minutes and 50 seconds 3: 4 minutes and 50 seconds 4: 6 minutes and 50 seconds 5: 9 minutes and 50 seconds 6: 14 minutes and 50 seconds	1	
08	Setting mode	Process	General	Conditions of shifting to the sleep mode with fan driving		2385		Number of printed sheets	3	0~10	M	0: 250 sheets 1: 500 sheets 2: 750 sheets 3: 1000 sheets 4: 1500 sheets 5: 2000 sheets 6: 2500 sheets 7: 3000 sheets 8: 4000 sheets 9: 5000 sheets 10: 50000 sheets	1	
08	Setting mode	Process	General	Conditions of shifting to the sleep mode with fan driving		2386		Temperature condition	4	0~7	M	0: None (temperature condition is disabled) 1: 10 degrees C or less 2: 12 degrees C or less 3: 14 degrees C or less 4: 16 degrees C or less 5: 18 degrees C or less 6: 20 degrees C or less 7: 22 degrees C or less	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image quality control	Image quality		2486		Contrast voltage	1	0~1	M	Sets whether or not correcting the contrast voltage in image quality control. 0: Invalid 1: Valid	1	Yes
08	Setting mode	Process	Image quality control	Color/start-up of image quality control		2496		Period of time unattended	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image quality control	Color/start-up of image quality control		2498		Accumulated copied/printed number of sheets	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image quality control	Color/start-up of image quality control		2499		Start-up with change of drum temperature	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image quality control	Color/start-up of image quality control		2500		After the recovery from toner empty	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image quality control	Start-up of image quality control		2501		Start-up before calibration execution	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	Process	Image quality control	Image quality		2505		Auto start/Relative humidity difference	2	1~6	M	1: 5% 2: 10% 3: 15% 4: 20% 5: 25% 6: 30%	1	Yes
08	Setting mode	Process	Image quality control	Image quality		2507		Auto start/Period of time unattended	11	0~15	M	Sets the unattended period of time to perform closed-loop control automatically at the start of operation when the equipment has not been used for a specified period of time in the energy saving mode. 0: 3 1: 5 2: 7 3: 10 4: 15 5: 20 6: 30 7: 45 8: 60 9: 90 10: 120 11: 150 12: 180 13: 240 14: 300 15: 360 (Unit: minute)	1	Yes
08	Setting mode	Process	Image quality control			2508		Image quality closed-loop control automatic start-up/ Starting temperature for drum surface potential sensor control	7	3~50	M	Starts the drum surface potential sensor control when the drum thermistor temperature exceeds the default temperature since the last control.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image quality control			2509		Image quality closed-loop control automatic start-up/Setting of accumulated print volume	1000	0~9999	M	Sets the number of accumulated print volume to perform closed-loop control when "1" or "2" (valid) is set in 08-2498. Image problems may occur if the value extremely smaller than the default value is set to the equipment whose print ratio of monochrome is relatively high. (unit: pages)	1	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Normal speed)	Y	2513	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Normal speed)	M	2513	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Normal speed)	C	2513	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Normal speed)	K	2513	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 1)	Y	2514	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 1)	M	2514	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 1)	C	2514	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 1)	K	2514	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control			2515		Contrast voltage offset correction setting (High speed)	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	1	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Normal speed)		2525	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Normal speed)		2525	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Normal speed)		2525	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Normal speed)		2525	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 1)		2526	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 1)		2526	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 1)		2526	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 1)		2526	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control			2527		Laser power offset correction setting (High speed)	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	1	
08	Setting mode	Process	Image quality control	Abnormality detection		2528		(Y)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image quality control	Abnormality detection		2529		(M)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image quality control	Abnormality detection		2530		(C)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image quality control	Abnormality detection		2531		(K)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 2)		2546	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 2)		2546	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 2)		2546	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image quality control	Contrast voltage offset correction setting (Decelerating 2)		2546	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 2)		2547	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 2)		2547	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 2)		2547	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Laser power offset correction setting (Decelerating 2)		2547	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image quality control	Potential on white background/Correction setting		2548	0	Y	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Potential on white background/Correction setting		2548	1	M	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Potential on white background/Correction setting		2548	2	C	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Potential on white background/Correction setting		2548	3	K	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2560	0	Y	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2560	1	M	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2560	2	C	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2560	3	K	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image quality control			2561		Drum surface potential sensor control setting	Refer to contents	0~2	M	Sets whether drum surface potential sensor control is enabled or disabled. 0: Disabled 1: Enabled (Performed on Y/M/C/K station) 2: Enabled (Performed on K station) <Default value> e-STUDIO5540C/6540C: 0 e-STUDIO6550C: 2	1	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2577	0	Y	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2577	1	M	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2577	2	C	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image quality control	Number of drum surface potential sensor control abnormalities Counter setting		2577	3	K	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image quality control			2600		Pattern formation for image quality TRC control, Valid/Invalid	1	0~1	M	Sets whether to perform TRC control correction.0: Disabled 1: Enabled	1	
08	Setting mode	Process	Developer			2670		Development Developer material replacement display	0	0~1	M	0: Displayed1: Not displayed	1	
08	Setting mode	Process	Developer	Threshold for displaying replacement timing of developer material		2675	0	Y	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Developer	Threshold for displaying replacement timing of developer material		2675	1	M	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Developer	Threshold for displaying replacement timing of developer material		2675	2	C	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Developer	Threshold for displaying replacement timing of developer material		2675	3	K	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Developer			2677		ON/OFF setting of toner refreshing behavior after being unattended	0	0~1	M	Sets whether toner refreshing behavior is performed or not depending on the unattended time of the equipment or change of humidity.0: Off 1: On	1	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended		2678	0	Display of number of level 1 executions	0	0~9999	M	Displays the number of level 1 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended		2678	1	Display of number of level 2 executions	0	0~9999	M	Displays the number of level 2 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended		2678	2	Display of number of level 3 executions	0	0~9999	M	Displays the number of level 3 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	0	Level 1	2	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 1 toner refreshing after leaving.	4	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	1	Level 2	4	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 2 toner refreshing after leaving.	4	
08	Setting mode	Process	Developer	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	2	Level 3	6	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 3 toner refreshing after leaving.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Refreshing mode	Prevention function of density decrease of color toner		2680		Forcible discharge mode of developer material	1	0~1	M	0: OFF 1: ON * Do not set this code to "0" (OFF) if the print ratio of monochrome is high. Density of color toner may decrease.	1	
08	Setting mode	Process	Developer	Threshold to start up refreshing L		2682	0	Print ratio (equivalent)	32	0~999	M	Equivalent to time/ equivalent to number of sheets	4	
08	Setting mode	Process	Developer	Threshold to start up refreshing L		2682	1	Offset	0	0~999	M	Equivalent to time/ equivalent to number of sheets	4	
08	Setting mode	Process	Developer			2694		Forcible discharge of developer material / Discharging period	2	0~4	M	0: 30 sec.1: 1 min.2: 2 min.3: 4 min.4: 6 min.	1	
08	Setting mode	Process	Developer			2695		Forcible discharge of developer material/ Threshold for 2nd judgment	65	30~100	M		1	
08	Setting mode	Scanner				3015		Pre-scan setting switchover	0	0~1	SYS	0: Not performing pre-scanning 1: Performing pre-scanning	1	Yes
08	Setting mode	Scanner	RADF			3017		Automatic A4/LT detection	0	0~1	SYS	0: A4/LT detected 1: A4/LT not detected	1	
08	Setting mode	Scanner	RADF			3021		Set for switchback-mixed size copy	0	0~1	SYS	This setting is whether the original length is detected or not by transporting without scanning in reverse when A4-R/FOLIO paper or LT-R/LG paper is detected in a mixed size copying. 0: Disabled - AMS: A series - Judges as A4-R without transporting in reverse with no scanning. LT series - Judges whether it is LT-R or LG by its length without transporting in reverse with no scanning. APS: A series - Judges whether it is A4-R or FOLIO without transporting in reverse with no scanning. LT series - Judges whether it is LT-R or LG without transporting in reverse with no scanning. 1: Enable 1 AMS: A series - Judges whether it is A4-R or FOLIO by Transporting without scanning in reverse to detect its length. LT series - Judges whether it is LT-R or LG by transporting without scanning in reverse to detect its length. APS: The same as that of APS in 0: Disabled.	1	Yes
08	Setting mode	Scanner				3025		Correction of carriage position	2	0~2	SYS	0: No correction 1: Performs correction before scanning 2: Performs correction after scanning	1	
08	Setting mode	Scanner	RADF			3075		Allowing of trailing edge adjustment of scanning	0	0~1	SYS	0: Not allowed 1: Allowed	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Card reader		3500		Device setting	0	0~4294967 295	SYS	To enable the e-Bridge ID Gate, a card reading device should be set in the order of "ABYYZZZZ". (Enter the corresponding values to "A", "B", "YY" and "ZZZ".) - AB: Special setting - A: Debugging NIC 0: Not used 1: Used - B: Interface 0: USB connection 1: Serial connection (KP-2003 only) - YY: Authentication 00: No authentication using card 03: Mifare (KP-2005 only) 04: HID (KP-2004 only) 06: KB Emulation I/F Reader 07: 3Track Magnetic Swipe Reader 09: 2Track Magnetic Swipe Reader - ZZZ: Sub-code (Specifies the usage type of card ID) 0000: No authentication using card 0001: IDm (Felica/NFC-Felica) and (or) UID (Mifare/NFC-Mifare) 0002: Data (Felica/NFC-Felica/Mifare/NFC-Mifare) 0003: SSFC mode	5	Yes
08	Setting mode	System	User interface	Card reader		3501		Format information 1	0	0~4294967 295	SYS	To access the data in the noncontact IC card, the Key Information "LLLL" and the Sector Number "MMMM" should be set. The "LLLL" should be set first, and then "MMMM". <KP-2005> LLLL: Key information MMMM: Sector number (hexadecimal number)	5	Yes
08	Setting mode	System	User interface	Card reader		3502		Format information 2	0	0~4294967 295	SYS	The data of the block number in the noncontact IC is set. <KP-2005> RRBSEbse (hexadecimal number) RR: 00 (Fixed) B: 1st area block number S: 1st area beginning byte offset E: 1st area ending byte offset b: 2nd area block number s: 2nd area beginning byte offset e: 2nd area ending byte offset * If the 2nd block/area is not used, set the SSTU to "FFFF" (hexadecimal number), the bse to "FFF" (hexadecimal number).	5	Yes
08	Setting mode	System	User interface	Card reader		3503		Format information 3	0	Refer to contents	SYS	Security key "KKKKKKKKKKKK" (12 digits) <hexadecimal number> in the [Key Information] of the [Sector Number] set in the code 08-3501 should be entered. <Acceptable value> 0-0xFFFFFFFFFFFFFFFF	5	Yes
08	Setting mode	System	User interface	Card reader		3504		Card authentication LDAP server	0	0~100	SYS	LDAP server number for the card authentication when a noncontact IC card is used should be set.	1	
08	Setting mode	System	General	Available profile display		3600	0	BP_IS34_00.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		3600	47	BP_IS34_47.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	48	BP_IS34_48.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	49	BP_IS34_49.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	50	BP_IS34_50.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	51	BP_IS34_51.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	52	BP_IS34_52.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	53	BP_IS34_53.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General			3601		Recovery of the profile at the shipment	0	0-53	SYS	Recovers the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General			3602		Copying the profile at the shipment to USB memory	0	0-53	SYS	Copies the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code to the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3603		Updating the profile at the shipment from UBS memory	0	0-53	SYS	Uploads the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code from the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	0	BP_IS34_00.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	1	BP_IS34_01.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	2	BP_IS34_02.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	3	BP_IS34_03.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	4	BP_IS34_04.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	5	BP_IS34_05.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	6	BP_IS34_06.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	7	BP_IS34_07.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	8	BP_IS34_08.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	9	BP_IS34_09.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	10	BP_IS34_10.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	11	BP_IS34_11.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	12	BP_IS34_12.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	13	BP_IS34_13.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	14	BP_IS34_14.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	15	BP_IS34_15.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	16	BP_IS34_16.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	17	BP_IS34_17.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	18	BP_IS34_18.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	19	BP_IS34_19.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	20	BP_IS34_20.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	21	BP_IS34_21.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	22	BP_IS34_22.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	23	BP_IS34_23.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	24	BP_IS34_24.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	25	BP_IS34_25.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	26	BP_IS34_26.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	27	BP_IS34_27.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	28	BP_IS34_28.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	29	BP_IS34_29.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	30	BP_IS34_30.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	31	BP_IS34_31.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	32	BP_IS34_32.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	33	BP_IS34_33.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	34	BP_IS34_34.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	35	BP_IS34_35.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	36	BP_IS34_36.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	37	BP_IS34_37.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	38	BP_IS34_38.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	39	BP_IS34_39.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	40	BP_IS34_40.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	41	BP_IS34_41.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	42	BP_IS34_42.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	43	BP_IS34_43.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	44	BP_IS34_44.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	45	BP_IS34_45.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	46	BP_IS34_46.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	47	BP_IS34_47.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	48	BP_IS34_48.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	49	BP_IS34_49.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	50	BP_IS34_50.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	51	BP_IS34_51.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	52	BP_IS34_52.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	53	BP_IS34_53.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General			3605		Making the profile available	0	0~53	SYS	Selecting a profileOverwrites the adjusted RGBInkSym profile on the current area (PG CIEBasedPureGrayTRC in the same sub-code is overwritten to the current area.) 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3606		Copying the adjusted profile to USB memory	0	0~53	SYS	Copies the adjusted RGBInkSim profile and PG CIEBasedPureGrayTRC in the same sub-code to USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General			3607		Uploading the adjusted profile from USB memory	0	0~53	SYS	Uploads the adjusted RGBInkSim profile and PG CIEBasedPureGrayTRC in the same sub-code from the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	0	BP_IS34_00.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	1	BP_IS34_01.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	2	BP_IS34_02.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	3	BP_IS34_03.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	4	BP_IS34_04.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	5	BP_IS34_05.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	6	BP_IS34_06.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	7	BP_IS34_07.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	8	BP_IS34_08.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	9	BP_IS34_09.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	10	BP_IS34_10.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	11	BP_IS34_11.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	12	BP_IS34_12.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	13	BP_IS34_13.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	14	BP_IS34_14.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	15	BP_IS34_15.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	16	BP_IS34_16.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	17	BP_IS34_17.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	18	BP_IS34_18.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	19	BP_IS34_19.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	20	BP_IS34_20.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	21	BP_IS34_21.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	22	BP_IS34_22.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	23	BP_IS34_23.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	24	BP_IS34_24.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	25	BP_IS34_25.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	26	BP_IS34_26.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	27	BP_IS34_27.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	28	BP_IS34_28.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	29	BP_IS34_29.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	30	BP_IS34_30.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	31	BP_IS34_31.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	32	BP_IS34_32.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	33	BP_IS34_33.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	34	BP_IS34_34.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	35	BP_IS34_35.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	36	BP_IS34_36.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	37	BP_IS34_37.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	38	BP_IS34_38.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	39	BP_IS34_39.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	40	BP_IS34_40.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	41	BP_IS34_41.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	42	BP_IS34_42.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	43	BP_IS34_43.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	44	BP_IS34_44.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	45	BP_IS34_45.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	46	BP_IS34_46.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	47	BP_IS34_47.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	48	BP_IS34_48.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	49	BP_IS34_49.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	50	BP_IS34_50.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	51	BP_IS34_51.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	52	BP_IS34_52.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	53	BP_IS34_53.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General			3612		Date of unpacking		13 digits	SYS	Year/month/date/day/hour/minute/second Example: 03 07 01 3 13 27 48 "Day" - "0" is for "Sunday". Proceeds Monday through Saturday from "1" to "6".	11	Yes
08	Setting mode	System	General			3615		List print USB storage setting	0	0~1	SYS	0: Enable (USB storage available) 1: Disable (USB storage not available)	1	
08	Setting mode	System	General			3619		Clearing of service history list file			SYS	Initializes the service history list file.	3	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Real time log notification function		3623		Job filtering setting	0	0-65535	SYS	Changes the target type of jobs for notification in real time log notification function.	1	
08	Setting mode	System	General	Real time log notification function		3624		Log item filtering setting	2147483921	0-4294967295	SYS	Changes target log items for notification in real time log notification function.	5	
08	Setting mode	System	General	Real time log notification function		3626		Department information transmission setting of real time log notification function	0	0-1	SYS	Sets whether the department information (number, name, code) is transmitted or not in the real time log notification function. 0: Department number, department name, department code 1: Department number, department name	1	
08	Setting mode	System	General			3628		Enable/Disable setting of standard data overwrite function	1	0-1	SYS	0: Disabled 1: Enabled * This code is valid for the following model: * This code is valid for SE Models only.	1	
08	Setting mode	System	General			3629		Enable/Disable setting of standard EWB function	1	0-1	SYS	0: Disabled 1: Enabled * This code is valid for MJD, AUD and SE Models only.	1	
08	Setting mode	System	Network			3631		Remote Access (SNMP)	1	0-1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			3635		Trial copy function	1	0-1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	Internet Fax		3637		Addition of transmission header	0	0-1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	Internet Fax		3638		Addition of receiving record	0	0-1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	Internet Fax		3639		Adding method of transmission header	1	1-2	SYS	1: Overwriting inside the image (5 mm from the top) 2: Adding outside the image (5 mm from the top)	1	
08	Setting mode	System	Network	MDS	Authentication	3640		Authentication of MDS system	0	0-1	SYS	0: Disabled (Normal mode) 1: Enabled (MDS authentication mode) * If the EWB license has not been installed at startup, this code becomes "0".	1	
08	Setting mode	System	Network	MDS	Authentication	3641		Display in TopAccess	0	0-1	SYS	Sets whether the information of MDS Authentication will be displayed or not in TopAccess and control panel. 0: Non display 1: Display * When "1" is set in 3640, the setting value of this code becomes "1" accordingly. The setting value cannot be changed to "0".	1	
08	Setting mode	System	Network			3642	0	User authentication setting for NW print/NW fax/Internet fax function	0	0-3	SYS	0: Authentication with user name and domain name 1: No authentication control in the equipment 2: Authentication with user name 3: Authentication with domain participation information	4	
08	Setting mode	System	Network	WS scan		3642	2	Disabling job authentication/permission check/Quota check	0	0-1	SYS	0: OFF 1: ON	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			3643		Filtering condition for job list on the panel	1	0~1	SYS	0: Filtered with user name 1: Filtered with domain name and user name * This code is valid only when the value of 08-3642-0 is "1".	1	
08	Setting mode	System	General			3644		Login restriction for reissued card	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication		3646		Copy	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication		3647		FAX	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication		3648		Printer/e-Filing	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication		3649		Scanning	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication		3650		List print	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			3651		Authentication method for administrator	1	0~1	SSDK	0: Only password 1: User name and password	1	
08	Setting mode	System	User interface			3652		Switchover of card reader display on the control panel	0	0~1	SYS	Switches the display on the control panel (authentication screen) depending on the connected card reader. 0: Non-contact type 1: Card insertion type	1	
08	Setting mode	System	General			3653		Judgment timing for continuous printing	0	0~1	SYS	Sets the timing for judging whether following job is printed continuously or not. 0: Consumable life priority (Judging whether the following job exists or not by printing of last page of preceding job) 1: Printing performance priority (Judging whether the following job exists or not by ejection of last page of preceding job) * Although continuous printing is performed more frequently when the value of this code is set to "1", the life of consumables may be affected. This setting is not applied to printing with the EFI controller.	1	
08	Setting mode	System	Paper feeding			3657		List/report printing from the drawer specified for "FAX"	0	0~1	SYS	Sets to feed the paper from a drawer whose attribute is specified to "FAX" when a list or report is printed. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	InternetFax		3658		To/Bcc Destination	0	0~1	SYS	Switches the destination of an internet fax to be sent to To or Bcc. 0: To 1: Bcc	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	FAX			3659		Image position and size setting at the time of forwarding received fax jobs	1	0~2	SYS	This setting is applied only when a received fax job is forwarded with a pdf format file. 0: Sets to select the paper size from the drawers in which paper is loaded by corresponding to an image size. The image position is the upper part of the paper. 1: Sets to select the paper size from the drawers in which paper is loaded by corresponding to an image size. The image position is the center part of the paper. 2: Sets to select a standard size paper corresponding to an image size. The image position is the upper part of the paper. - If "FAX" has been set as the attribute of a drawer, its paper size will be applied when "0" or "1" is selected.	1	Yes
08	Setting mode	System	FAX			3661		Fax operation setting during off-hook transmission	1	0~2	SYS	0: Transmission is not operable during off-hook 1: Direct transmission is operable during off-hook 2: Transmission is operable during off-hook	1	
08	Setting mode	System	Scanning			3662		Waiting period for continue after the RADF scanning	0	0~1	SYS	0: Disabled 1: Enabled * When "Enabled" is set, the screen to notify continuity appears for 1 second after RADF scanning has been completed.	1	
08	Setting mode	System				3666		Process of user authentication(ShimpleBind)	0	0~1	SSDK	0: Normal process 1: Special process	1	
08	Setting mode	System	Department management			3669		Department management setting(UserFunction)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User authentication			3670		User management setting(UserFunction)	0	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System				3672		Setting for each debug log file size	0	0~1	SYS	0: 5M 1: 10MB	1	Yes
08	Setting mode	System	Network			3674		Specifying whether to display the network timeout error page on the EWB or not	0	0~1	SYS	0:Not displayed 1:Displayed	1	
08	Setting mode	System	User interface	Display/non-display of the setting section		3677	0	EWB access authorization setting	1	0~1	SSDK	0: Not displayed 1: Displayed	4	
08	Setting mode	System	User interface	Display/non-display of the setting section		3677	1	USB direct printing authorization setting	1	0~1	SSDK	0: Not displayed 1: Displayed	4	
08	Setting mode	System	Network			3702		Logon User Name of Windows Domain Authentication	MFP's serial number		-	Maximum 128 letters "MFP's serial number" is set as default. Perform 08-9083 to set the default value.	12	
08	Setting mode	System	Network			3704		PDC2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3705		BDC2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3706		PDC3 of user authentication			UTY	Maximum 128 letters	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	Network			3707		BDC3 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3719		Windows domain No. 2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3720		Windows domain No. 3 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3721		AppleTalk device name	MFP's serial number		-	Maximum 32 letters "MFP's serial number" is set as default. Perform 08-9083 to set the default value.	12	
08	Setting mode	System	Network			3722		PDC/BDC timeout value of Windows Domain Authentication (Unit: Seconds)	60	1~180	NIC	Applied to the device authentication	12	
08	Setting mode	System	Network			3723		User authentication PDC/BDC time-out period (Unit: Seconds)	30	1~180	NIC	Applied to the user authentication	12	
08	Setting mode	System	Network	Windows domain authentication method	User authentication	3724	0	Setting for User authentication	1	1~4	NIC	Sets the Windows domain authentication method for device authentication, user authentication. When the setting of the domain authentication method is unknown, sets the value of this code to "1" (Auto). 1: Auto 2: Kerberos 3: NTLMv2 4: NTLMv2	4	
08	Setting mode	System	Network	Windows domain authentication method	Scan to SMB/Windows Logon	3724	1	Setting for Scan to SMB/Windows Logon	5	1~5	NIC	Sets the authentication method of the SMB client (Scan to SMB/Windows logon). 1: Kerberos/NTLMv1 2: Kerberos 3: NTLMv2 4: NTLMv1 5: Kerberos/NTLMv2 * If an SMB server to which Scan to SMB is connected does not support the NTLMv2 authentication, change this code to "1" (Kerberos/NTLMv1). * If "1" (Kerberos/NTLMv1) is set, connection to Mac OS X 10.10 or later becomes disabled.	4	
08	Setting mode	System	Network			3725		IPP max connection	16	1~16	NIC		12	
08	Setting mode	System	Network			3726		IPP active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3727		LPD max connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3728		LPD active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3729		ATalk PS max Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3730		ATalk PS active Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3731		Raw TCP max Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3732		Raw TCP active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3736		DNS client TimeOut	5	1~180	NIC	Use when a timeout occurred at DNS client connection	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			3739		FTP Client TimeOut (SCAN)	30	1~180	NIC	Use when a timeout occurred at DNS client connection	12	
08	Setting mode	System	Network			3743		LDAP client TimeOut	5	1~180	NIC	Use when a timeout occurred at LDAP client connection	12	
08	Setting mode	System	Network	DPWS		3754		Switching printer setting	1	1~2	NIC	DPWS printer function is switched. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	DPWS		3755		Switching DPWS Scanner setting	1	1~2	NIC	DPWS scanner function is switched. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	DPWS		3757		DPWS Discovery Port Number	3702	1~65535	NIC	Port number used for DPWS Discovery	12	
08	Setting mode	System	Network	DPWS		3758		DPWS Metadata Exchange Port Number	50081	1~65535	NIC	Port number used for DPWS Metadata Exchange	12	
08	Setting mode	System	Network	DPWS		3759		DPWS Print Port Number	50082	1~65535	NIC	Port number used for DPWS Print	12	
08	Setting mode	System	Network	DPWS		3760		DPWS Scan Port Number	50083	1~65535	NIC	Port number used for DPWS Scan	12	
08	Setting mode	System	Network	DPWS		3765		DPWS Print Max numbers of connection	10	1~20	NIC	Maximum numbers received from more than one connection request in the DPWS print	12	
08	Setting mode	System	Network	DPWS		3766		DPWS Print Max numbers of reception	10	1~20	NIC	Maximum numbers of data received from more than one clients in the DPWS print	12	
08	Setting mode	System	Network	IPv6		3767		Switching IPv6 setting	2	1~2	NIC	IPv6 function is switched. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	IPv6		3768		Switching address acquisition	2	1~3	NIC	IP (IPv6) address acquisition setting is switched. 1: Manual 2: Stateless 3: Stateful	12	
08	Setting mode	System	Network	IPv6		3770		IPv6 Address			-	Displays IPv6 address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3771		Prefix display setting			-	Sets the length of the displayed prefix. Maximum 3 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3772		Default Gateway setting			-	Sets the default gateway for IPv6 address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network			3774		DHCPv6 Option setting	2	1~2	NIC	DHCPv6 Option is switched when the Manual is set. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3777		Stateless Address setting	2	1~2	NIC	IP Address is acquired by both Stateless and State full Address. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3778		Acquiring DHCPv6 Option	2	1~2	NIC	When Stateless Address is selected, an option is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3779		Stateful Address setting	1	1~2	NIC	IP Address is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			3780		Stateful Option setting	1	1~2	NIC	An option is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	IPv6		3781		Primary DNS Server Address Registration(IPv6)			-	Registration of Primary DNS Server Address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3782		Secondary DNS Server Address Registration(IPv6)			-	Registration of Secondary DNS Server Address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network			3793		LLTD function setting	1	1~2	NIC	Sets the LLTD function. 1: Enabled 2: Disabled	12	
08	Setting mode	System	General			3797		PJL USTATUS setting	1	0~1	SYS	Sets whether to remain or initialize the PJL USTATUS setting for each job. 0: Remaining 1: Initialized * This setting is available only when SNMP communication is performed.	1	
08	Setting mode	Counter	Extra long size paper count	Switching count		3800	0	Feeding direction483-800 mm	2	1~30	SYS	Sets the number of multiples. A sheet is counted as N sheets when extra long size paper is used for printing.	4	Yes
08	Setting mode	Counter	Extra long size paper count	Switching count		3800	1	Feeding direction801-1200 mm	3	1~30	SYS	Sets the number of multiples. A sheet is counted as N sheets when extra long size paper is used for printing.	4	Yes
08	Setting mode	System	General			3802		USB media direct printing Paper size	NAD/NAC: 2 Others: 6	0~13	SYS	0: ledger 1: legal 2: letter 3: computer 4: statement 5: A3 6: A4 7: A5 9: B4 10: B5 11: Folio 12: Legal13" 13: LetterSquare	1	
08	Setting mode	System	General			3803		USB media direct printing function setting	1	0~1	SYS	Sets the USB media direct printing function.0: Disabled1: Enabled	1	
08	Setting mode	System	Scanning			3805		Department Management setting by Remote Scan	3	0~3	SYS	Sets the department management with remote scanning as follows: 0: w/o GUI OFF,w/ GUI OFF 1: w/o GUI ON, w/ GUI OFF 2: w/o GUI OFF, w/ GUI ON 3: w/o GUI ON, w/ GUI ON w/o GUI: Remote scanning is operated on SSOP application of eCOPY Inc. w/ GUI: Remote scanning is operated on TTEC-specific GUI. This setting is only for department management with remote scanning. When GUI is set ON, a department code dialog is displayed at the start-up of remote scanning. This code is valid only when the code 08-9120 is set "1 (Valid)".	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Direct SMTP		3810		Communication setting	0	0~1	SYS	When an Internet Fax is sent, Direct SMTP communication is set. 0: Disabled 1: Enabled When "0: Disabled" is set, an Internet Fax is sent using an SMTP server. When "1: Enabled" is set, direct SMTP communication is enabled and an Internet Fax is sent to MFPs If "1: Enabled" is set in 08-3810, set "1: Enabled" in 08-3812 as well.	1	Yes
08	Setting mode	System	Network	Direct SMTP		3811		Image encrypting at the Direct SMTP	0	0~1	SYS	When Direct SMTP communication is performed, an attached image is encrypted. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	InternetFax		3812		Dummy full mode at I-Fax transmission	0	0~1	SYS	When an Internet Fax is sent, the resolution ratio and the paper size of an attached image are set to the full mode. 0: Disabled 1: Enabled If "1: Enabled" is set in 08-3810, set "1: Enabled" in 08-3812 as well.	1	Yes
08	Setting mode	System	Scanning			3815		XPS file thumbnail addition	1	0~1	SYS	Thumbnail is added to the XPS file produced by the Scan function. 0: Not added 1: Only the top page added	1	
08	Setting mode	System	Scanning			3816		XPS file paper size setting	1	0~1	SYS	The paper size of the XPS file produced by the Scan function is set. 0: Scanned image size 1: Standard size	1	
08	Setting mode	System	Scanning			3817		PDF file version setting	4	0~4	SYS	The version of PDF file produced by the Scan function is set. 0: PDF V1.3 1: PDF V1.4 2: - 3: - 4: PDF V1.7	1	
08	Setting mode	System	e-BRIDGE CloudConnect			3820		Function setting	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	GSI			3821		Setting to prevent communication converging	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3822		Function setting of Proxy Server	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3823		IP Address setting of Proxy Server	Refer to contents	Refer to contents	SYS	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	11	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3824		Port number setting of Proxy Server	80	1~65535	SYS		1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3825		Account ID setting of Proxy Server		Refer to contents	SYS	Maximum 30 characters.	11	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3826		Account password setting of Proxy Server		Refer to contents	SYS	Maximum 30 characters.	11	Yes
08	Setting mode	System	General			3833		Home directory function	0	0~1	SYS	Function to store a file in the user's home directory 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3837		Display switching for the machine name shown in the notification	0	0~1	SYS	The display method of the machine name shown in the event related notification is switched. 0: IP address 1: NetBIOS name //FQDN	1	
08	Setting mode	System	General	License control		3840		Registration/Deletion			-	Registers electronic keys for setting related optional items (e.g. when the equipment is delivered). Returns the license file having the same ID as that in the one-time dongle. Displays all the electronic keys stored in a USB media connected to the equipment in a list. Displays electronic keys registered in the equipment.	3	
08	Setting mode	System	Option	FAX		3847		FAX mis-transmission prevention	0	0~1	SYS	FAX mis-transmission prevention function is switched. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	Option	FAX		3848		Restriction on Address Book destination	0	0~1	SYS	Sets whether the address in the address book is selectable or not for the FAX mis-transmission prevention function. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	Option	FAX		3849		Restriction on destination direct entry	0	0~1	SYS	Sets whether the direct entry of the FAX number is available or not for the FAX mis-transmission prevention function. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	General			3851		Template display	0	0~1	SYS	0: ID number order1: Alphabetical order	1	
08	Setting mode	System	General	Summer time function		3852		Summer time Automatic change function	Refer to contents	0~1	SYS	0: Disabled 1: Enabled <Default value> MJC/MJD/NAC/NAD: 1 Other: 0	1	
08	Setting mode	System	General	Summer time function		3853		Offset value	2	0~7	SYS	0: +2:00 1: +1:30 2: +1:00 3: +0:30 4: -0:30 5: -1:00 6: -1:30 7: -2:00	1	
08	Setting mode	System	General	Summer time function setting	Start	3854		Summer time Setting value (Starting month)	Refer to contents	1~12	SYS	1: Jan 2: Feb 3: Mar 4: Apr 5: May 6: Jun 7: Jul 8: Aug 9: Sep 10: Oct 11: Nov 12: Dec <Default value> MJC/MJD/NAC/NAD: 3 Other: 1	1	
08	Setting mode	System	General	Summer time function setting	Start	3855		Summer time Setting value (Starting week)	Refer to contents	1~5	SYS	1: 1st 2: 2nd 3: 3rd 4: 4th 5: Last <Default value> MJC/MJD: 5 NAC/NAD: 2 Other: 1	1	
08	Setting mode	System	General	Summer time function setting	Start	3856		Summer time Setting value (Starting day)	0	0~6	SYS	0: Sun 1: Mon 2: Tue 3: Wed 4: Thu 5: Fri 6: Sat	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Summer time function setting	Start	3857		Summer time Setting value (Starting hour)	Refer to contents	0~23	SYS	0 to 23 <Default value> MJC/MJD, NAC/NAD: 2 Other: 0	1	
08	Setting mode	System	General	Summer time function setting	Start	3858		Summer time Setting value (Starting minute)	0	0~59	SYS	0 to 59	1	
08	Setting mode	System	General	Summer time function setting	End	3859		Summer time Setting value (Ending month)	Refer to contents	1~12	SYS	1: Jan 2: Feb 3: Mar 4: Apr 5: May 6: Jun 7: Jul 8: Aug 9: Sep 10: Oct 11: Nov 12: Dec <Default value> MJC/MJD: 10 NAC/NAD: 11 Other: 1	1	
08	Setting mode	System	General	Summer time function setting	End	3860		Summer time Setting value (Ending week)	Refer to contents	1~5	SYS	1: 1st 2: 2nd 3: 3rd 4: 4th 5: Last <Default value> MJC/MJD: 5 Other: 1	1	
08	Setting mode	System	General	Summer time function setting	End	3861		Summer time Setting value (Ending day)	0	0~6	SYS	0: Sun 1: Mon 2: Tue 3: Wed 4: Thu 5: Fri 6: Sat	1	
08	Setting mode	System	General	Summer time function setting	End	3862		Summer time Setting value (Starting hour)	Refer to contents	0~23	SYS	0 to 23 <Default value> MJC/MJD: 3 NAC/NAD: 2 Other: 0	1	
08	Setting mode	System	General	Summer time function setting	End	3863		Summer time Setting value (Starting minute)	0	0~59	SYS	0 to 59	1	
08	Setting mode	System	Network			3864		Disclosure of telnet function	0	0~1	SYS	0: Not disclosed 1: Disclosed When this value is set at "0", the value of code 08-3865 must be "2".	1	
08	Setting mode	System	Network			3865		Availability of telnet server	2	1~2	NIC	1: Enable 2: Disable	12	
08	Setting mode	System	FAX			3875		Address confirmation for multiple destinations	Refer to contents	0~1	SYS	Enable this setting to display the address confirmation screen before sending fax to prevent wrong transmission when multiple destination addresses are specified. 0: Disabled 1: Enabled <Default value> JPC: 1 Others: 0	1	
08	Setting mode	Printer	Laser			4002		Judged number of polygonal motor rotation error (Normal rotation)	0	0~2	M	Displays the error [CA10] when the set number of rotation error has been detected.0: 2 times 1: 10 times 2: 20 times	1	
08	Setting mode	Printer	Laser			4004		Polygonal motor rotation number on standby	3	0~3	M	0: 26574.8rpm 1: 20000rpm 2: 15000rpm 3: 10000rpm	1	
08	Setting mode	Printer	Laser			4005		Polygonal motor rotation in the energy saving mode	0	0~3	M	0: Stopped 1: 10000rpm 2: 15000rpm 3: 20000rpm	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport			4010		Default setting of paper source	0	0~6	SYS	0: A4/LT 1: T-LCF 2: 1st drawer 3: 2nd drawer 4: 3rd drawer 5: 4th drawer 6: O-LCF	1	
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	Auto	4011		PPC	1	1~2	SYS	Sets whether the drawer is changed automatically if the paper runs out in the selected drawer and the paper of the same size is in other drawer. 1: ON (Changes to the drawer with the same paper direction and size: ex. A4 to A4) 2: ON (Changes to the drawer with the same paper size. Paper with the different direction is acceptable as long as the size is the same: ex., A4 to A4-R, LT-R to LT. "1" is applied when the staple/hole punch is specified.)	1	Yes
08	Setting mode	Printer	Laser			4012		Pre-running rotation of polygonal motor	0	0~2	SYS	Sets whether or not switching the polygonal motor from the standby rotation to the normal rotation when the original is set on the RADF or the RADF is opened. 0: Valid (when using RADF and the original is set manually) 1: Invalid 2: Valid (when using RADF only)	1	
08	Setting mode	Printer	Laser			4013		Polygonal motor rotational status switching at the Auto Clear Mode	0	0~1	SYS	Sets whether or not switching the polygonal motor from the normal rotation to the standby rotation at the Auto Clear Mode. 0: Valid 1: Invalid	1	
08	Setting mode	Printer	Laser			4014		Rotational status of polygonal motor on standby	0	0~1	SYS	Sets the rotational status of polygonal motor on standby. 0: Rotated (The rotational speed is set at 08-4005.) 1: Stopped	1	
08	Setting mode	Printer	Laser			4015		Timing of auto-clearing of polygonal motor pre-running rotation	3	0~21	SYS	Switches the polygonal motor to the standby rotation when a certain period of time has passed from the pre-running. This code sets the period to switch the status to the standby rotation. 15+(setting value) x 5 sec. 0: 15 sec. 1: 20 sec. 2: 25 sec. 3: 30 sec. 4: 35 sec. 5: 40 sec. 6: 45 sec. 7: 50 sec. 8: 55 sec. 9: 60 sec. 10: 65 sec. 11: 70 sec. 12: 75 sec. 13: 80 sec. 14: 85 sec. 15: 90 sec. 16: 95 sec. 17: 100 sec. 18: 105 sec. 19: 110 sec. 20: 115 sec. 21: 120 sec. * This setting is effective when "0" or "2" is set for 08-4012.	1	
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	When a drawer is specified	4016	0	PPC	0	0~1	SYS	Sets whether the automatic change of paper source is performed or not if the drawer is specified as the paper source and the paper in the specified drawer runs out when coping. 0: Does not change the paper source automatically 1: Changes the paper source automatically	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	When a drawer is specified	4016	1	Printing/BOX printing	0	0~1	SYS	Sets whether the automatic change of paper source is performed or not if the drawer is specified as the paper source and the paper in the specified drawer runs out when printing/BOX printing. 0: Does not change the paper source automatically 1: Changes the paper source automatically	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer				4017		Polygonal motor stop function when the [FUNCTION CLEAR] button is pressed	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	1st drawer	4020	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 1st drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	1st drawer	4020	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 1st drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	2nd drawer	4021	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 2nd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	2nd drawer	4021	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 2nd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	3rd drawer	4022	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 3rd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	3rd drawer	4022	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 3rd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	4th drawer	4023	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 4th drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	4th drawer	4023	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 4th drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Bypass feeding	4024	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the bypass tray.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Bypass feeding	4024	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the bypass tray.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	T-LCF	4025	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	T-LCF	4025	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4100		1st drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 20: A4-R 80: LT-R <Default value> NAD/NAC: 80 MJD/MJC/JPC: 4 Others: 20	9	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4101		2nd drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 19: A3 81: LD <Default value> NAD/NAC: 81 Others: 19	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4102		3rd drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 20: A4-R 82: LG <Default value> NAD/NAC: 82 Others: 20	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4103		4th drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 52: B4 81: LD <Default value> NAD/NAC: 81 JPC: 52 Others: 4	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4104		Tandem LCF	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 64: LT <Default value> NAD/NAC: 64 Others: 4	9	
08	Setting mode	Printer	Feeding system/Paper transport			4106		Paper size (A3-R)feeding/widthwise direction	420/297	182~432/140~297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4107		Paper size (A4-R)feeding/widthwise direction	297/210	182~432/140~297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4108		Paper size (A5-R)feeding/widthwise direction	210/148	182~432/140~297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4109		Paper size (B4-R)feeding/widthwise direction	364/257	182~432/140~297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4110		Paper size (B5-R)feeding/widthwise direction	257/182	182~432/140~297	M		10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport			4111		Paper size (LT-R) feeding/widthwise direction	279/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4112		Paper size (LD) feeding/widthwise direction	432/279	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4113		Paper size (LG) feeding/widthwise direction	356/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4114		Paper size (ST-R) feeding/widthwise direction	216/140	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4115		Paper size (COMPUTER) feeding/widthwise direction	356/257	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4116		Paper size (FOLIO) feeding/widthwise direction	330/210	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4117		Paper size (13"LG)feeding/widthwise direction	330/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4118		Paper size (8.5" X 8.5")feeding/widthwise direction	216/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4119		Paper size (Non-standard) feeding/widthwise direction	432/279	148-432/105-297	SYS		10	
08	Setting mode	Printer	Feeding system/Paper transport			4120		Paper size (8K)feeding/widthwise direction	390/270	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4121		Paper size (16K-R)feeding/widthwise direction	270/195	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4122		Paper size (A3-wide)feeding/widthwise direction	457/305	182-457/140-305	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4123		Paper size (A6-R)feeding/widthwise direction	148/105	148-432/105-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4131		Feeding retry setting	0	0~1	M	0: Enabled 1: Disabled * When the value of 08-9016 is set to "5", the value of this code is automatically set to "1".	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4140		Paper size for bypass feed	255	0-255	SYS	Press the button on the LCD to select the size. 255: UNDEF	9	
08	Setting mode	Printer	Feeding system/Paper transport			4205		Paper size (305 x 457 mm) feeding/widthwise direction	457/305	148-457/105-305	M		10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport			4206		Paper size (Post card) feeding/widthwise direction	148/100	148~432/100~297	M	Post card is supported only for JPN model.	10	
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Option LCF	4520	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the O-LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Option LCF	4520	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the O-LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4521		Optional LCF	Refer to contents	0~255	M	Press the button on the LCD to select the size. 4: A4 64: LT <Default value> NAD/NAC: 64 Others: 4	9	
08	Setting mode	Printer	Fuser			4530		Fusing error temperature (Temperature of the fuser belt center thermopile)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4531		Fusing error temperature (Temperature of the fuser belt side thermopile)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4532		Fusing error temperature (Temperature of the Fuser belt edge thermistor)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4533		Fusing error temperature (Temperature of the pressure roller center thermopiles)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4534		Power supply at fusing error	0	0~63	M	0: 0W 1: 200W 2: 240W 3: 300W 4: 320W 5: 340W 6: 360W 7: 380W 8: 400W 9: 420W 10: 440W 11: 460W 12: 480W 13: 500W 14: 520W 15: 540W 16: 560W 17: 580W 18: 600W 19: 620W 20: 640W 21: 660W 22: 680W 23: 700W 24: 720W 25: 740W 26: 760W 27: 780W 28: 800W 29: 820W 30: 840W 31: 860W 32: 880W 33: 900W 34: 920W 35: 940W 36: 960W 37: 980W 38: 1000W 39: 1020W 40: 1040W 41: 1060W 42: 1080W 43: 1100W	1	
08	Setting mode	Printer	Feeding system/Paper transport			4542		Switching for incorrect size jam detection	0	0~1	M	0: Enabled 1: Disabled	1	Yes
08	Setting mode	Printer	Fuser			4545		Fusing error temperature (Temperature of the pressure roller rear thermistor)	0	0~255	M		1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Transfer	Color registration control		4546		Execution mode setting	5	0~5	M	0: Not performed automatically 1: (a) 2: (b) 3: (a) + (b) 4: (b) + (c) 5: (a) + (b) + (c) <Description> (a) Performs the adjustment automatically at warming-up. (b) Performs the adjustment automatically when printing after a specified period of time has been completed. (c) Performs the adjustment automatically at ready status after a specified period of time, or at a forcible interruption of large amount of printing.	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4547		Manual stapling time-out period	15	0~30	M	3-30sec.(In increments of 1sec.)	1	
08	Setting mode	Printer	Feeding system/Paper transport			4548		Finisher model switching setting value	1	0~1	M	0: - 1: MJ-1103/MJ-1104	1	
08	Setting mode	Printer	Transfer	Color registration control	Start-up time set for color registration	4550	0	1st startup	3	3~255	M	1st color registration control start-up time [Unit: minute] automatically set when the color registration control has not been performed automatically at power ON, recovery from the ready status or recovery from the sleep mode.	4	Yes
08	Setting mode	Printer	Transfer	Color registration control	Start-up time set for color registration	4550	1	2nd or subsequent startups	30	3~255	M	Start-up time [Unit: minute] for 2nd or subsequent color registration control start-ups automatically set when the color registration control has been automatically performed after a specified period of time.	4	Yes
08	Setting mode	Printer	Transfer	Color registration control		4562		Time of pausing continuous printing	5	1~60	M	Sets the time from reaching the start-up for color registration control to pausing the printing. (Unit: minute)	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4567		Paper size (SRA3)feeding/widthwise direction	450/320	148~460/105~320	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4568		Paper size(460mm X 320mm)feeding/widthwise direction	460/320	148~460/105~320	M		10	
08	Setting mode	Printer	Fuser			4572		Fusing error temperature (Pressure roller side thermistor)	0	0~255	M		1	
08	Setting mode	Printer	Developer			4575		Waste toner box near-full status Display setting	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4585		Paper size (13 X 19inch-R)feeding/widthwise direction	483/330	148~483/105~330	M		10	
08	Setting mode	Printer	General			4586		Checking of SRAM board data on LGC board No. 1 (Models)	Refer to contents	130~132	M	130: H130 (TOSHIBA e-STUDIO5540C) 131: H131 (TOSHIBA e-STUDIO6540C) 132: H132 (TOSHIBA e-STUDIO6550C)	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Transfer			4596		2nd transfer waste toner transport locking detection setting	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Transfer			4597		2nd transfer waste toner full-status Display timing table setting	0	0~2	M	0: 10000 1: 5000 2: 4000	1	
08	Setting mode	Printer	Feeding system/Paper transport			4598		Media sensor Media type mis-setting control setting	0	0~1	M	0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4599		Media sensor Media type setting at the sensor malfunction	Refer to contents	0~1	M	0: Plain paper 1 1: Plain paper 2 <Default value> JPC: 0 Others: 1	1	
08	Setting mode	Printer	Feeding system/Paper transport			4602		Paper transport period measuring function setting	0	0~1	M	0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4603		Stop jam detection at registration sensor	0	0~3	M	0: Disabled 1: Enabled only for bypass feeding 2: Enabled only for drawer or duplexing unit feeding 3: Enabled for all paper feeders	1	
08	Setting mode	Printer	Laser			4604		Waiting time for polygonal motor standby rotation shifting after W/U READY	6	0~9	M	0: 0 sec. 1 to 9: Setting value x 5 sec.	1	
08	Setting mode	Printer	Transfer	Color registration control		4605		Accumulated counter value	0	8 digits	M	Counts the number of color registration control for each starting mode. Color registration operations other than those performed at the specified timing are counted as 2.	1	Yes
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	0	K	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	1	Y	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	2	M	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	3	C	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System				4608		Destination categorized code (for SRAM board on LGC board)	Refer to contents	0~7	M	0: NAD, NAC 1: MJD, MJC 2: JPC 3: ASD, ARD 4: CND 5: AUD 6: Not defined (empty) 7: Not defined (empty) <Default value> JPC: 2 NAD/NAC: 0 MJD/MJC: 1 ASD/ARD: 3 AUD: 5 CND: 4	2	
08	Setting mode	Printer	Laser			4609		Laser shutter counter	0	8 digits	M	1 movement of opening and closing is counted as 1.	1	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	0	Latest	0	0~255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	1	Once earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	2	Twice earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	3	3 times earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	4	4 times earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	5	5 times earlier	0	0~255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Feeding system/Paper transport	Bypass paper size detection setting		4621		PPC/PRT	0	0~1	M	Detects whether the size of paper fed by bypass feeding is the same as the paper size set on the control panel. If the sizes are not the same, the warning message is displayed (Paper jam does not occur). When the bypass paper size detection is broken, the equipment can be used without the size detection by disabling this setting. After repair, enable this setting. 0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Paper feeding			4622		Bypass paper size detection counter	0	0~65535	M	This is a counter for bypass paper size detection setting. If the printing is executed with the paper size that differs from the paper size set on the control panel, the counter is counted up.	1	
08	Setting mode	System	All clear	Destination		4659		Storing area for SYS destination information	Refer to contents	0~255	M	Stores SYS-SRAM destination data when code 08-9090 is performed. 0: MJD/MJC 1: NAD/NAC 2: JPC 3: AUD/AUC 4: CND 5: KRD 6: TWD 7: SAD 8: ASU 9: ASD 10: ARD <Default value> MJD/MJC: 0 NAD/NAC: 1 JPC: 2 ASD: 9 AUD: 3 CND: 4 ARD: 10	2	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Transfer			4663		Switchover of 2nd transfer pressure adjustment	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Transfer			4664		2nd transfer depressurization control - invalid cam position error count	0	0~5	M	number of times	1	
08	Setting mode	Printer	Counter	Tray-up abnormality		4665		Error count process for tray-up abnormality	1	0~1	M	Switches the error count process for the tray-up abnormality. 0: An occurrence is counted as a 1-time error when a tray-up abnormality is generated at least 1 time. 1: An occurrence is counted as a 1-time error when a tray-up abnormality is generated at least 2 times in a row.	1	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4669	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4669	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4669	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4669	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4670	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4670	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4670	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4670	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4671	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4671	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4671	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4671	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	General			4675		Paper ejection setting for wrong bypass paper size	2	0~2	M	0: Disabled 1: Changes jammed paper location 2: Ejects paper	1	
08	Setting mode	Printer	Counter			4676		Ejection counter for wrong bypass paper size	0	0~65535	M	Number of ejection times	1	
08	Setting mode	Printer	General			4686		Printer ROM version display at printer all clear			M	Displays the last 2 or 3 digits of the printer ROM version (08-9901) when printer all clear (08-9090) is performed. The version number is described by alphanumeric characters.	2	
08	Setting mode	Printer	Paper feeding			4691		Switching of the display of jam location in the drawer when paper feed jam occurs	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Image quality control			4744		Self check interval Setting	0	0~2	M	0: STANDARD 1: LONGER 2: LONGEST * Select "0" to give higher priority to the image	1	
08	Setting mode	Printer	Transfer			4766		Drum phase adjustment control setting	1	0~1	M	0: Invalid 1: Valid	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Developer	Toner near empty		5155		Toner near empty threshold setting	1	0~5	M	0: The period from the appearance of the toner near-empty sign to the actual complete consumption of the toner is set to long. 1: Normal (Default) 2: The period from the appearance of the toner near-empty sign to the actual complete consumption of the toner is set to short. 4: Toner near-empty status threshold value: (%)* 5: Toner near-empty status threshold value: (Number of sheets)* * The toner near-empty status is displayed if the remaining amount of toner is equal to or less than the amount set in 08-5810/5811 (percentage or number of sheets).	1	Yes
08	Setting mode	Process	Developer	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	0	Y	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Developer	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	1	M	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Developer	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	2	C	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Developer	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	3	K	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Fuser			5207		Warming-up period extension control setting	0	0~1	M	0: Valid 1: Invalid	1	
08	Setting mode	Process	Fuser			5208		Threshold for disabling warming-up period extension	2	0~15	M	0: Invalid 1: 30°C 2: 40°C 3: 50°C 4: 60°C 5: 70°C 6: 80°C 7: 90°C 8: 100°C 9: 110°C 10: 120°C 11: 130°C 12: 140°C 13: 150°C 14: 160°C 15: 170°C	1	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Side / Pressure roller)		5236	0	Normal temperature	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Side / Pressure roller)		5236	1	Low temperature	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			5239		Pre-running start temperature when ready	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C	1	
08	Setting mode	Process	Fuser	Allowable range correction		5240	0	Pressure roller/ Lower limit	Refer to contents	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C <Default> e-STUDIO5540C: MJD/MJC: 3 Others: 0 e-STUDIO6540C/6550C: MJD/MJC: 2 Others: 0	4	
08	Setting mode	Process	Fuser	Allowable range correction		5240	1	Pressure roller/ Upper limit	5	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	
08	Setting mode	Process	Fuser	Allowable range correction		5240	2	Pressure roller/ Lower limit (for MJD model)	0	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C	4	
08	Setting mode	Process	Fuser	Allowable range correction		5240	3	Pressure roller/ Upper limit (for MJD model)	0	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	
08	Setting mode	Process	Fuser	Pre-running time at ready status		5248		Pressure roller contact / release setting	1	0~1	M	0: Contact 1: Release	1	
08	Setting mode	Process	Fuser			5271	0	Fusing temperature during printing (Manual adjustment / Side / Pressure roller / Plain paper 1)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5271	1	Fusing temperature during printing (Manual adjustment / Side / Pressure roller / Plain paper 1)(color)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 1)		5272	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 1)		5272	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	0	Temperature on heat roller side in BK mode	19	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	1	Temperature on heat roller side in C or CK mode	19	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	2	Temperature on press roller side in BK mode	8	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	3	Temperature on press roller side in C or CK mode	8	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	0	Fuser belt side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	1	Fuser belt side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	2	Pressure roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	3	Pressure roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	0	Center / Fuser belt	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	2	Center / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	3	Side / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	4	Center / Fuser belt	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	6	Center / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	7	Side / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5278		Fusing temperature during printing (Side / Pressure roller / Overhead transparencies)	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 4)		5280	0	Normal length paper	0	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 4)		5280	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 2)		5281	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 2)		5281	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 3)		5282	0	Normal length paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 3)		5282	1	Extra long size paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	0	Special paper 1 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	1	Special paper 2 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	2	Special paper 1 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	3	Special paper 2 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5284	0	Temperature drop control during printing 2	0	0~8	M	0: Disabled 1: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal or low temperature) 2: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal or low temperature) 3: Enabled - Thick paper 2 (Fuser belt at the normal or low temperature) 4: Enabled - Thick paper 2 (Fuser belt at the normal temperature) 5: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal temperature) 6: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal or low temperature) 7: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal temperature) 8: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal temperature)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			5284	1	Temperature drop control during printing 2	0	0~8	M	0: Disabled 1: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal or low temperature) 2: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal or low temperature) 3: Enabled - Thick paper 2 (Fuser belt at the normal or low temperature) 4: Enabled - Thick paper 2 (Fuser belt at the normal temperature) 5: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal temperature) 6: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal or low temperature) 7: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal temperature) 8: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal temperature)	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	0	Center / Fuser belt	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	1	Center / Fuser belt	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	4	Center / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	5	Center / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	6	Side / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	7	Side / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	0	Center / Fuser belt	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	1	Center / Fuser belt	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	4	Center / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	5	Center / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	6	Side / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	7	Side / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	0	Center / Fuser belt	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	1	Center / Fuser belt	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	4	Center / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	5	Center / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	6	Side / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	7	Side / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser			5293	0	Fusing temperature during printing (Center / Fuser belt / Recycled paper)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5293	1	Fusing temperature during printing (Center / Fuser belt / Recycled paper)	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	0	Center / Pressure roller	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	1	Center / Pressure roller	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	2	Side / Pressure roller	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	3	Side / Pressure roller	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	0	Heat roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	1	Heat roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	2	Press roller: BK mode	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	3	Press roller: C or CK mode	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser			5299	0	Pre-running time for first printing (Recycled paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser			5299	1	Pre-running time for first printing (Recycled paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	0	Heat roller center/BK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	1	Heat roller center/C or CK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	4	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	5	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	6	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	8	Heat roller center/BK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	9	Heat roller center/C or CK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	12	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	13	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	14	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	0	Heat roller center/BK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	1	Heat roller center/C or CK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	4	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	5	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	6	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	8	Heat roller center/BK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	9	Heat roller center/C or CK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	12	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	13	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	14	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser			5315		Fusing temperature correction setting during printing (Wide paper)	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Process	Fuser			5316		Copying speed control switchover setting	0	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	0	Center of heat roller	15	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	2	Center of pressure roller	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	3	Side of pressure roller	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode: Heater forced On time		5324	0	Heat roller	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode: Heater forced On time		5324	1	Press roller	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser			5325		Pre-running time for first printing (Special mode for waterproof paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	1	
08	Setting mode	Process	Fuser	Thick paper 4: Temperature setting to start error handling		5390		Heat roller side	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	0	Manual mode: Plain paper1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	1	Manual mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	2	Auto mode: Plain paper 1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	3	Auto mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	4	Bypass feed (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	5	Manual mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	6	Manual mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	7	Auto mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	8	Auto mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	9	Bypass feed (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	0	Manual mode: Plain paper1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	1	Manual mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	2	Auto mode: Plain paper 1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	3	Auto mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	4	Bypass feed (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	5	Manual mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	6	Manual mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	7	Auto mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	8	Auto mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller side/low temperature environment	5401	9	Bypass feed (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	0	Thick paper 1/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	1	Thick paper 2/ one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	2	Thick paper 3/ one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	3	Thick paper 4	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	4	Transparency	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	5	Special paper 1	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	6	Special paper 2	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	7	Recycled paper/normal temperature/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	8	Recycled paper/low temperature/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	9	Waterproof paper special mode	8	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	10	Recycled paper/normal temperature/duplex printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	11	Recycled paper/low temperature/duplex printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	12	Thick paper 1/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	13	Thick paper 2/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling	Press roller: Thick paper, transparency, special paper	5402	14	Thick paper 3/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser			5411		Starting temperature for abnormalities processing Period for additional temperature rising	0	0~11	M	0: 0 1: 0.5 2: 1 3: 1.5 4: 2 5: 3 6: 4 7: 5 8: 7 9: 10 10: 15 11: continuance (Unit: Minute)	1	
08	Setting mode	Process	Fuser			5412		Starting temperature for abnormalities processing Temperature setting for disabling additional temperature rising	5	0~15	M	0: Invalid 1: 30°C 2: 40°C 3: 50°C 4: 60°C 5: 70°C 6: 80°C 7: 90°C 8: 100°C 9: 110°C 10: 120°C 11: 130°C 12: 140°C 13: 150°C 14: 160°C 15: 170°C	1	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	0	Thick paper 3/Temperature on fuser roller side	17	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	1	Thick paper 4/Temperature on fuser roller side	17	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	2	Thick paper 3/Temperature on press roller side	6	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	3	Thick paper 4/Temperature on press roller side	6	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 4)		5414	0	Fuser roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 4)		5414	1	Press roller side	0	0~2	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode		5417		Temperature setting to start error handling (low temperature)	10	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser			5430		Fusing temperature at low power mode (Side / Pressure roller)	9	0~25	M	0: OFF 1: 40°C 2: 45°C 3: 50°C 4: 55°C 5: 60°C 6: 65°C 7: 70°C 8: 75°C 9: 80°C 10: 85°C 11: 90°C 12: 95°C 13: 100°C 14: 105°C 15: 110°C 16: 115°C 17: 120°C 18: 125°C 19: 130°C 20: 135°C 21: 140°C 22: 145°C 23: 150°C 24: 155°C 25: 160°C	1	
08	Setting mode	Process	Fuser	Warming period in energy saving mode		5432	0	1st energy saving mode in a day	14	0~14	M	0: 0 1: 0.5 2: 1 3: 2 4: 3 5: 5 6: 10 7: 15 8: 30 9: 45 10: 60 11: 75 12: 90 13: 120 14: No limitation (Unit: Minute)	4	
08	Setting mode	Process	Fuser	Warming period in energy saving mode		5432	1	2nd and after	0	0~14	M	0: 0 1: 0.5 2: 1 3: 2 4: 3 5: 5 6: 10 7: 15 8: 30 9: 45 10: 60 11: 75 12: 90 13: 120 14: No limitation (Unit: Minute)	4	
08	Setting mode	Process	Fuser			5455		Number of pages for small size paper feeding interval control	4	0~10	M	0: 10 1: 20 2: 30 3: 50 4: 75 5: 100 6: 150 7: 250 8: 300 9: 400 10: 500 (Unit: page)	1	
08	Setting mode	Process	Fuser			5456		Period for small size paper feeding interval control	9	0~15	M	0: 1 1: 2 2: 3 3: 4 4: 5 5: 6 6: 7 7: 8 8: 9 9: 10 10: 12 11: 14 12: 16 13: 18 14: 20 15: 22	1	
08	Setting mode	Process	Fuser	Small size paper feeding interval control switchover		5457	0	Under normal temperature	0	0~1	M	0: Disabled 1: Enabled	4	
08	Setting mode	Process	Fuser	Small size paper feeding interval control switchover		5457	1	Under low temperature	0	0~1	M	0: Disabled 1: Enabled	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Maintenance	PM counter	M	5550		Setting value	Refer to contents	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	M	5551		Setting value	314000	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	C	5552		Setting value	Refer to contents	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	C	5553		Setting value	314000	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance			5562		Setting value of PM counter / 2nd transfer roller	Refer to contents	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000 [Unit: page]	1	
08	Setting mode	Counter	Maintenance			5563		Setting value of PM time counter display/0 clearing / 2nd transfer roller	266000	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed	1	
08	Setting mode	Counter	Maintenance	PM counter	M	5564		Current value	0	8 digits	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6254-0	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	M	5565		Current value	0	8 digits	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6254-3	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	C	5566		Current value	0	8 digits	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6256-0	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	C	5567		Current value	0	8 digits	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6256-3	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Maintenance			5576		Current value of PM counter Display/0 clearing / 2nd transfer roller	0	8 digits	M	Counts up when the registration sensor is ON. 08-6340-0	1	
08	Setting mode	Counter	Maintenance			5577		Current value of PM time counter / 2nd transfer roller	0	8 digits	M	Counts the drum driving time. 08-6340-3	1	
08	Setting mode	Counter	Maintenance			5578		Switching of output pages/driving counts at PM / Y	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-6192.) 1: PM time counter (The timing is set at 08-6193.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5579		Switching of output pages/driving counts at PM / M	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5550.) 1: PM time counter (The timing is set at 08-5551.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5580		Switching of output pages/driving counts at PM / C	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5552.) 1: PM time counter (The timing is set at 08-5553.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5585		Switching of output pages/driving counts at PM / 2nd transfer roller	0	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5552.) 1: PM time counter (The timing is set at 08-5553.) 2: Whichever comes faster	1	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 496,000 e-STUDIO6540C: 550,000 e-STUDIO6550C: 606,000	4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	4	Recommended driving counts to be replaced	628000	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5609		Date of previous replacement	0	8 digits	M		2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 496,000 e-STUDIO6540C: 550,000 e-STUDIO6550C: 606,000	4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	4	Recommended driving counts to be replaced	628000	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5611		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (%)	5810	0	K	3	1~99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (%)	5810	1	Y	6	1~99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (%)	5810	2	M	6	1~99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (%)	5810	3	C	6	1~99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	0	K	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	1	Y	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	2	M	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Developer	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	3	C	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Counter	Double count	For fee charging	Paper size	6010		Large-sized paper	JPN: 0 Other:1	0~2	M	0: Counted as 1 1: Counted as 2 2: Counted as 1 (Mechanical counter is double counter)	1	Yes
08	Setting mode	Counter	Double count	For fee charging	Paper size	6011		Definition setting of large sized paper	0	0~1	M	0: A3/LD 1: A3/LD/B4/LG/FOLIO/COMP	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper size	6012		Large-sized paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper size	6013		Definition setting of large sized paper	1	0~1	M	0: A3/LD 1: A3/LD/B4/LG/FOLIO/COMP	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6014		Thick paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6015		OHP	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6017		Tab paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6018		Count setting of special paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Counter	Display of number of output pages at Full Color Mode in Copier Function		6060	0	Large	0	8 digits	SYS	Counts the number of output pages at the Full Color Mode in the Copier Function according to its size (large/small) Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Full Color Mode in Copier Function		6060	1	Small	0	8 digits	SYS	Counts the number of output pages at the Full Color Mode in the Copier Function according to its size (large/small) Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Twin Color / Monocolor Mode in Copier Function		6062	0	Large	0	8 digits	SYS	Counts the number of output pages at the Twin Color Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Counter	Display of number of output pages at Twin Color / Monocolor Mode in Copier Function		6062	1	Small	0	8 digits	SYS	Counts the number of output pages at the Twin Color Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Black Mode in Printer Function		6064	0	Large	0	8 digits	SYS	Counts the number of output pages at the Black Mode in the Printer Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Black Mode in Printer Function		6064	1	Small	0	8 digits	SYS	Counts the number of output pages at the Black Mode in the Printer Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages in FAX function		6066	0	Large	0	8 digits	SYS	Counts the number of output pages in the FAX Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages in FAX function		6066	1	Small	0	8 digits	SYS	Counts the number of output pages in the FAX Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Full Color Mode in Scanning Function		6068	0	Large	0	8 digits	SYS	Counts the number of scanning pages at the Full Color Mode in the Scanning Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Full Color Mode in Scanning Function		6068	1	Small	0	8 digits	SYS	Counts the number of scanning pages at the Full Color Mode in the Scanning Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Black Mode in Copier Function		6070	0	Large	0	8 digits	SYS	Counts the number of scanning pages at the Black Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Counter	Display of number of scanning pages at Black Mode in Copier Function		6070	1	Small	0	8 digits	SYS	Counts the number of scanning pages at the Black Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Custom counter	For dealer		6080		Enabling/Disabling custom counter	0	0~1	SYS	When this setting is enabled, the custom counter of total counter is enabled. Related code: 08-6088, 6089. When this setting is enabled, 08-6010 does not affect the total counter. Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Scanning	6081	0	Black/Gray	0	0~9999	SYS	Weights subtraction of scanning from department/user Job Quota and addition of Scan Counter to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Scanning	6081	1	Full Color	0	0~9999	SYS	Weights subtraction of scanning from department/user Job Quota and addition of Scan Counter to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	1	Thick1/2/3/4 (Back)	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	2	Special1/2 (Back)	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	3	Transparency	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	4	Envelope	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Double count setting for paper type			6083	5	Tab paper	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator		6084		Enabling/Disabling custom counter/Job Quota	0	0~1	SYS	When this setting is enabled, the custom counter and Job Quota of department/user are enabled. Related code: 08-6081, 6085. When this setting is enabled, 08-6010 does not affect the counter/Quota of department/user. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	0	Black/Small	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	1	Black/Large	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	2	Full color/Small	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	3	Full color/Large	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	4	Twin Color/Monocolor/Small	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Print	6085	5	Twin Color/Monocolor/Large	100	0~9999	SYS	Weights subtraction of printing from department/user Job Quota and addition of printing to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Counter Settings			6087		Color/Black quota selection at twin/mono color count	0	0~1	SYS	When the pages are counted for twin/mono color counter, this code sets whether the pages are subtracted from ColorQuota or BlackQuota. Not all the pages of TwinColor/MonoColor are subtracted. The pages assigned to twin/mono color counter are subtracted. The setting of this code is enabled only in the Color/BlackQuota mode and not enabled in the JobQuota mode. If the value of this code is set to "0" (ColorQuota), an error occurs if a user without color permission performs twin color printing. Note that the same error occurs in the JobQuota mode. 0: ColorQuota 1: BlackQuota Related code: 08-6084, 08-9128, 08-9892	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Scanning	6088	0	Black/Gray	0	0-9999	SYS	Weights addition of Scan Counter to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Scanning	6088	1	Full Color	0	0-9999	SYS	Weights addition of Scan Counter to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	0	Black/Small	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	1	Black/Large	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	2	Full color/Small	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	3	Full color/Large	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	4	Twin Color/Monocolor/Small	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Custom counter	For dealer	Weighting/Print	6089	5	Twin Color/Monocolor/Large	100	0-9999	SYS	Weights addition of print to Custom Counter (Total Counter). Since the count is calculated based on the existing Large/Small counter, the count before changing this setting is also included in the count. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	
08	Setting mode	Counter	Counter of Paper feed			6110		1st drawer	0	8 digits	M	Counts the number of sheets fed from 1st drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6111		2nd drawer	0	8 digits	M	Counts the number of sheets fed from 2nd drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6112		Bypass feed	0	8 digits	M	Counts the number of sheets fed from bypass feed.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6113		T-LCF	0	8 digits	M	Counts the number of sheets fed from T-LCF.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6114		3rd drawer	0	8 digits	M	Counts the number of sheets fed from 3rd drawer.	2	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Counter of Paper feed			6115		4th drawer	0	8 digits	M	Counts the number of sheets fed from 4th drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6116		ADU	0	8 digits	M	Counts the number of output pages of duplex printing.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6117		RADF	0	8 digits	SYS	Counts the number of originals fed from RADF.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6118		Counter for O-LCF feeding	0	8 digits	M	Counts the number of sheets fed from O-LCF	2	
08	Setting mode	Counter	Counter			6162		Counter for image quality TRC control failure (EFI)/ 0 clearing	0	8 digits	SYS		1	
08	Setting mode	Counter	Maintenance	PM counter	K	6190		Setting value	Refer to contents	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	K	6191		Setting value	314000	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	Y	6192		Setting value	Refer to contents	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	Y	6193		Setting value	314000	8 digits	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	K	6194		Current value	0	8 digits	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6250-0	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	K	6195		Current value	0	8 digits	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6250-3	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	Y	6196		Current value	0	8 digits	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6252-0	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Maintenance	PM drive counter	Y	6197		Current value	0	8 digits	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6252-3	1	Yes
08	Setting mode	Counter	Maintenance			6198		Switching of output pages/ driving counts at PM / K	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-6190.) 1: PM drive counter (The timing is set at 08-6191.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Process			6211		Accumulated counter of output pages since the performing of image quality control	0	4 digits	M	Cleared to "0" by the image quality closed-loop control. Counts up with the number of printing job received after this control.	2	
08	Setting mode	Counter	Process			6223		Number of output pages (Thick paper 4)	0	8 digits	M	Counts up when the registration sensor is ON in the thick paper 4 mode.	1	
08	Setting mode	Counter	Process			6225		Number of output pages (Thick paper 1)	0	8 digits	M	Counts up when the registration sensor is ON in the thick paper 1 mode.	1	
08	Setting mode	Counter	Process			6226		Number of output pages (Thick paper 2)	0	8 digits	M	Counts up when the registration sensor is ON in the thick paper 2 mode.	1	
08	Setting mode	Counter	Process			6227		Number of output pages (Thick paper 3)	0	8 digits	M	Counts up when the registration sensor is ON in the thick paper 3 mode.	1	
08	Setting mode	Counter	Process			6228		Number of output pages (OHP film)	0	8 digits	M	Counts up when the registration sensor is ON in the OHP film mode.	1	
08	Setting mode	Counter	Charger			6229	0	Main charger needle electrode cleaning counter display/0 clearing	0	8 digits	M	Does not count up when cleaning is not effective.	4	
08	Setting mode	Counter	Charger			6229	1	Main charger needle electrode cleaning counter display/0 clearing	0	8 digits	M	Does not count up when cleaning is not effective.	4	
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6230		1st drawer	0	8 digits	M	Counts the number of times of the feeding retry from the 1st drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6231		2nd drawer	0	8 digits	M	Counts the number of times of the feeding retry from the 2nd drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6232		3rd drawer	0	8 digits	M	Counts the number of times of the feeding retry from the 3rd drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6233		4th drawer	0	8 digits	M	Counts the number of times of the feeding retry from the 4th drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6234		Bypass feed	0	8 digits	M	Counts the number of times of the feeding retry from the bypass tray.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6235		T-LCF	0	8 digits	M	Counts the number of times of the feeding retry from the T-LCF.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6236		Feeding retry counter upper limit value(1st drawer)	10	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6237		Feeding retry counter upper limit value(2nd drawer)	10	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6238		Feeding retry counter upper limit value(3rd drawer)	10	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6239		Feeding retry counter upper limit value(4th drawer)	10	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6240		Feeding retry counter upper limit value(bypass feed)	20	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6241		Feeding retry counter upper limit value (T-LCF)	10	8 digits	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6242		Feeding retry counter (O-LCF)	0	8 digits	M	Counts the number of times of the feeding retry from the O-LCF.	1	
08	Setting mode	Counter	Counter			6243		Counter for special paper	0	8 digits	M	Counts up when the registration sensor is ON in the special paper mode.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6245		Feeding retry counter upper limit value (O-LCF)	10	8 digits	M	When the number of feeding retry (08-6242) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	0	Y	0	8 digits	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	1	M	0	8 digits	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	2	C	0	8 digits	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	3	K	0	8 digits	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	5	Driving counts at the last replacement	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum		6251		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6253		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	7	Present driving counts for control	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6255		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6257		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6259		Date of previous replacement	0	8 digits	M		2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6261		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6263		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	0	Present number of output pages	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6265		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	4	Recommended driving counts to be replaced	244000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6269		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6271		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6275		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	0	Present number of output pages	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6277		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6279		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6281		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6283		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	3	Present driving counts	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6285		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6287		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	5	Driving counts at the last replacement	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6289		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6291		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	7	Present driving counts for control	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6293		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6295		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6297		Date of previous replacement	0	8 digits	M		2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6299		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6301		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	5	Driving counts at the last replacement	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6303		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6305		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6307		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Toner filter		6308	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Toner filter		6308	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	4	Recommended driving counts to be replaced	244000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6309		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 900,000 e-STUDIO6540C: 1,000,000 e-STUDIO6550C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	4	Recommended driving counts to be replaced	1140000	8 digits	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6315		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 900,000 e-STUDIO6540C: 1,000,000 e-STUDIO6550C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	4	Recommended driving counts to be replaced	1140000	8 digits	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6317		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 900,000 e-STUDIO6540C: 1,000,000 e-STUDIO6550C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	4	Recommended driving counts to be replaced	1140000	8 digits	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6319		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 900,000 e-STUDIO6540C: 1,000,000 e-STUDIO6550C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	4	Recommended driving counts to be replaced	1140000	8 digits	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6321		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt		6328	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 900,000 e-STUDIO6540C: 1,000,000 e-STUDIO6550C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	4	Recommended driving counts to be replaced	1140000	8 digits	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt		6329		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	2	Number of output pages at the last replacement	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	4	Recommended driving counts to be replaced	314000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6333		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	4	Recommended driving counts to be replaced	266000	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6341		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	3	Present driving counts	0	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	4	Recommended driving counts to be replaced	266000	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6343		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pressure roller		6350	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 450,000 e-STUDIO6540C: 500,000 e-STUDIO6550C: 550,000	4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	4	Recommended driving counts to be replaced	1804000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6351		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 450,000 e-STUDIO6540C: 500,000 e-STUDIO6550C: 550,000	4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	2	Number of output pages at the last replacement	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	4	Recommended driving counts to be replaced	1804000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6371		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser belt		6372	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 225,000 e-STUDIO6540C: 250,000 e-STUDIO6550C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	4	Recommended driving counts to be replaced	902000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6373		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser roller		6374	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 225,000 e-STUDIO6540C: 250,000 e-STUDIO6550C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	4	Recommended driving counts to be replaced	902000	8 digits	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Fuser roller		6374	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6375		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 225,000 e-STUDIO6540C: 250,000 e-STUDIO6550C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	4	Recommended driving counts to be replaced	902000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6377		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	0	Present number of output pages	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	1	Recommended number of output pages for replacement	120000	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	2	Number of output pages at the last replacement	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	8	Number of times replaced	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6383		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	0	Present number of output pages	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	1	Recommended number of output pages for replacement	120000	8 digits	SYS		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	2	Number of output pages at the last replacement	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	8	Number of times replaced	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6385		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	0	Present number of output pages	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	1	Recommended number of output pages for replacement	120000	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	2	Number of output pages at the last replacement	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	8	Number of times replaced	0	8 digits	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6387		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	1	Recommended number of output pages for replacement	400000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6389		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6391		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	8	Number of times replaced	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6393		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	1	Recommended number of output pages for replacement	500000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6395		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	1	Recommended number of output pages for replacement	400000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6397		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6399		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6401		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	0	Present number of output pages	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	1	Recommended number of output pages for replacement	500000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6403		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	1	Recommended number of output pages for replacement	400000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6405		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6407		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6409		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	1	Recommended number of output pages for replacement	500000	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6411		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6413		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6415		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	1	Recommended number of output pages for replacement	100000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6417		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	8	Number of times replaced	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6421		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6423		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	1	Recommended number of output pages for replacement	100000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6425		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6429		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	1	Recommended number of output pages for replacement	200000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6431		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass feed)		6432	0	Present number of output pages	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Pickup roller (Bypass feed)		6432	1	Recommended number of output pages for replacement	100000	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass feed)		6432	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass feed)		6432	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass feed)		6433		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	0	Threshold to display the near empty message (center)	2000	8 digits	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	1	Remaining level threshold: 75	515	8 digits	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	2	Remaining level threshold: 50	1030	8 digits	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	3	Remaining level threshold: 25	1545	8 digits	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	4	Threshold to display the near empty message (longer)	1965	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	5	Threshold to display the near empty message (shorter)	2030	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	6	Remaining level threshold: 0	2060	8 digits	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	0	Threshold to display the near empty message (center)	865	8 digits	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	1	Remaining level threshold: 75	235	8 digits	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	2	Remaining level threshold: 50	465	8 digits	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	3	Remaining level threshold: 25	700	8 digits	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	4	Threshold to display the near empty message (longer)	830	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	5	Threshold to display the near empty message (shorter)	900	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	6	Remaining level threshold: 0	935	8 digits	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	0	Threshold to display the near empty message (center)	865	8 digits	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	1	Remaining level threshold: 75	235	8 digits	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	2	Remaining level threshold: 50	465	8 digits	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	3	Remaining level threshold: 25	700	8 digits	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	4	Threshold to display the near empty message (longer)	830	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	5	Threshold to display the near empty message (shorter)	900	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	6	Remaining level threshold: 0	935	8 digits	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	0	Threshold to display the near empty message (center)	865	8 digits	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	1	Remaining level threshold: 75	235	8 digits	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	2	Remaining level threshold: 50	465	8 digits	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	3	Remaining level threshold: 25	700	8 digits	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	4	Threshold to display the near empty message (longer)	830	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	5	Threshold to display the near empty message (shorter)	900	8 digits	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	6	Remaining level threshold: 0	935	8 digits	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	0	Y	0	8 digits	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	1	M	0	8 digits	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	2	C	0	8 digits	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	3	K	0	8 digits	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	General			6467		Number of output pages available at toner cartridge replacement (during cover open)	2	0~7	SYS	0: 01: 1002: 2003: 5004: 10005: 15006: 20007: No limitation(99999999)[Unit. page]	1	
08	Setting mode	Counter	Developer	Toner / carrier supply motor driving time counter display		6469	0	Y	0	8 digits	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Developer	Toner / carrier supply motor driving time counter display		6469	1	M	0	8 digits	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	Developer	Toner / carrier supply motor driving time counter display		6469	2	C	0	8 digits	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	Developer	Toner / carrier supply motor driving time counter display		6469	3	K	0	8 digits	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 248,000 e-STUDIO6540C: 275,000 e-STUDIO6550C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	2	Number of output pages at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	4	Recommended driving counts to be replaced	266000	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6483		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	0	Present number of output pages	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	1	Recommended number of output pages for replacement	Refer to contents	8 digits	M	<Default value> e-STUDIO5540C: 496,000 e-STUDIO6540C: 550,000 e-STUDIO6550C: 606,000	4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	2	Number of output pages at the last replacement	0	8 digits	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	3	Present driving counts	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	4	Recommended driving counts to be replaced	532000	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	5	Driving counts at the last replacement	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	6	Present output pages for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	7	Present driving counts for control	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	8	Number of times replaced	0	8 digits	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6485		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Pixel counter	Setting			6500		Standard paper size	Refer to contents	0~1	SYS	Selects the standard paper size to convert it into the pixel count (%). 0: A4 1: LT <Default value> NAD/NAC: 1 Others: 0	1	
08	Setting mode	Pixel counter	Clearing			6501		All clearing			SYS	Clears all information related to the pixel counter.	3	
08	Setting mode	Pixel counter	Clearing			6502		Service technician reference counter			SYS	Clears all information related to the service technician reference pixel counter.	3	
08	Setting mode	Pixel counter	Clearing			6503		Toner cartridge reference counter			SYS	Clears all information related to the toner cartridge reference pixel counter.	3	
08	Setting mode	Pixel counter	Setting			6504		Pixel counter display	1	0~1	SYS	Selects whether or not to display the pixel counter on the LCD screen. 0: Displayed 1: Not displayed	1	
08	Setting mode	Pixel counter	Setting			6505		Displayed reference	0	0~1	SYS	Selects the reference when displaying the pixel counter on the LCD screen. 0: Service technician reference 1: Toner cartridge reference	1	
08	Setting mode	Pixel counter	Setting			6506		Toner empty determination counter	0	0~1	SYS	Selects the counter to determine toner empty. 0: Output pages 1: Pixel counter	1	
08	Setting mode	Pixel counter	Setting	Threshold setting for toner empty determination		6507		Output pages	500	0~999	SYS	Sets the number of output pages to determine toner empty. This setting is valid when "0" is set at 08-6506.	1	
08	Setting mode	Pixel counter	Setting	Threshold setting for toner empty determination		6508		Pixel counter	21500	0~60000	SYS	Sets the number of output pages to determine toner empty. This setting is valid when "1" is set at 08-6506.	1	
08	Setting mode	Pixel counter	Clearing	Flag		6509		Service technician reference	0	0~1	SYS	Becomes "1" when 08-6502 is performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date		6510		Service technician reference			SYS	Displays the date on which 08-6502 was performed.	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6511		Y			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6512		M			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6513		C			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6514		K			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6519		Y			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6520		M			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6521		C			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6522		K			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PPC	6557		Full color	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode and service technician reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PPC	6558		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, black mode and service technician reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PRT	6559		Full color	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode and service technician reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PRT	6560		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, black mode and service technician reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	FAX	6561		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the FAX function, black mode and service technician reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6562		Full color (K)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner K and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6563		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, black mode and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6564		Full color (K)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner K and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6565		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, black mode and toner cartridge reference. [Unit. page]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	FAX	6566		Black	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the FAX function, black mode and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6567		Full color (Y)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner Y and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6568		Full color (Y)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner Y and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6569		Full color (M)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner M and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6570		Full color (M)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner M and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6571		Full color (C)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner C and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6572		Full color (C)	0	8 digits	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner C and toner cartridge reference. [Unit. page]	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6573		Y	0	3 digits	SYS	Counts the number of time of the toner cartridge Y replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6574		M	0	3 digits	SYS	Counts the number of time of the toner cartridge M replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6575		C	0	3 digits	SYS	Counts the number of time of the toner cartridge C replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6576		K	0	3 digits	SYS	Counts the number of time of the toner cartridge K replacement.	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6587		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6588		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6589		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6590		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6591		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6592		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6593		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6594		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6595		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6596		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6597		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6598		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6599		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6600		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6601		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6602		Black	0	0~10000	SYS	Displays the average pixel count in the copy function, black mode and service technician reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6603		Black	0	0~10000	SYS	Displays the average pixel count in the printer function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	FAX	6604		Black	0	0~10000	SYS	Displays the average pixel count in the FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT/FAX	6605		Black	0	0~10000	SYS	Displays the average pixel count in the copy/printer/FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6606		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6607		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6608		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6609		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6610		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6611		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6612		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6613		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6614		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6615		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6616		Black	0	0~10000	SYS	Displays the latest pixel count in the copy function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6617		Black	0	0~10000	SYS	Displays the latest pixel count in the printer function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	FAX	6618		Black	0	0~10000	SYS	Displays the latest pixel count in the FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6619		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6620		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6621		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6622		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6623		Black	0	0~10000	SYS	Displays the average pixel count in the copy function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6624		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the copy function, full color/black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6625		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6626		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6627		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6628		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6629		Black	0	0~10000	SYS	Displays the average pixel count in the printer function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6630		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the printer function, full color/black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6631		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6632		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6633		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT/FAX	6634		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the copy/printer/FAX function, black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	FAX	6635		Black	0	0~10000	SYS	Displays the average pixel count in the FAX function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6636		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner Y and toner cartridge reference.[Unit:0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6637		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6638		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6639		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6640		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6641		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6642		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6643		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	FAX	6644		Black	0	0~10000	SYS	Displays the latest pixel count in the FAX function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	0	0-5%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	1	5.1-10%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	2	10.1-15%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	3	15.1-20%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	4	20.1-25%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	5	25.1-30%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	6	30.1-40%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	7	40.1-60%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	8	60.1-80%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	9	80.1-100%	0	8 digits	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. [Unit: page]	14	
08	Setting mode	Pixel counter	Counter	Latest pixel count/black(Toner cartridge reference)	PPC	6724		Black	0	0~10000	SYS	Displays the latest pixel count in the copy function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/black(Toner cartridge reference)	PRT	6725		Black	0	0~10000	SYS	Displays the latest pixel count in the printer function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Counter	Counter			6817		Calibration counter	0	8 digits	SYS	Displays the number of times a calibration chart is printed. When "0" is set for this code, and also when in the line adjustment mode or when the fee charging counter is reset, this counter is reset. The counter value goes up every time a calibration chart is printed, regardless of the setting value of the code 08-9894 (Calibration chart charging method).	1	
08	Setting mode	Counter	Counter			6902		Total counter (decelerating 2)	0	8 digits	M		1	
08	Setting mode	Counter	Counter			6970		Plain paper 1	0	8 digits	M		1	
08	Setting mode	Counter	Counter			6971		Plain paper 2	0	8 digits	M		1	
08	Setting mode	Counter	Counter			6972		Plain paper 1	0	8 digits	M		1	
08	Setting mode	Counter	Counter			6973		Plain paper 2	0	8 digits	M		1	
08	Setting mode	Counter	Image quality control			6997		Counter for number of execution of image quality control	0	8 digits	M	Only "0" can be input.	1	
08	Setting mode	Image Processing	Image			7000		Clearing of adjustment values of all image process 05/08 codes (PPC related areas only)			SYS	Clears adjustment values of all image process 05/08 codes (PPC related areas only).	3	
08	Setting mode	Image Processing	Image			7001		Clearing of all gamma correction table values (PPC related areas only)			SYS	Clears all the gamma correction table values (PPC related areas only).	3	
08	Setting mode	Image Processing	Image	Process switching for image smoothing (Text/Photo)		7031		Process switching for image smoothing (Text/Photo)	1	0~1	SYS	Sets whether or not performing a smoothing process (primary scanning direction, 2,400 dpi or equivalent). 0: Invalid 1: Valid	1	
08	Setting mode	Image Processing	Image	Process switching for image smoothing (Text/Photo)		7032		Process switching for image smoothing (Text)	1	0~1	SYS	Sets whether or not performing a smoothing process (primary scanning direction, 2,400 dpi or equivalent). 0: Invalid 1: Valid	1	
08	Setting mode	Image Processing	User interface	User mode setting	PPC	7034		Black	0	0~1	SYS	0: Unused 1: TEXT/PHOTO base	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	2	Recycled paper	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	3	Thick paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	4	Thick paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	5	Thick paper3	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	6	Thick paper4	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	7	Special paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Monochrome PPC	7051	8	Special paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	2	Recycled paper	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	3	Thick paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	4	Thick paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	5	Thick paper3	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	6	Thick paper4	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	7	Special paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	8	Special paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Image			7300		Clearing of adjustment values of all image process 05/08 codes (related to NW print)			SYS	Clears adjustment values of all image process 05/08 codes (related to NW print).	3	
08	Setting mode	Image Processing	Image			7301		Gamma correction table (related to NW print) all clear			SYS	Clears all the gamma correction table values (related to NW print).	3	
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	2	Recycled paper	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	3	Thick paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	4	Thick paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	5	Thick paper3	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	6	Thick paper4	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	7	Special paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	8	Special paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	2	Recycled paper	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	3	Thick paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	4	Thick paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	5	Thick paper3	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	6	Thick paper4	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	7	Special paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	8	Special paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Image	Clearing of adjustment values of all image process 05/08 codes		7400		Network scan			SYS	Clears the values of the following codes: 05-7400 to 05-7499 05-8300 to 05-8399 08-7401, 8303, 8304	3	
08	Setting mode	Image Processing	User interface	User mode setting	NW SCN	7401		Black	0	0~3	SYS	0: Unused 1: B/W TEXT/PHOTO base 2: B/W TEXT base 3: B/W PHOTO base	1	Yes
08	Setting mode	Image Processing	Image	Clearing of adjustment values of all image process (Fax) related 05 codes		7500		Clearing of adjustment values of all image process (Fax) related 05 codes			SYS	Clears the adjustment values of the following codes: 05-7500 to 7599	3	
08	Setting mode	Image Processing	Image			7612		Image repeat gap	5	0~10	SYS	Unit: mm	1	
08	Setting mode	Image Processing	User interface	User mode setting	PPC	7614		Color	0	0~5	SYS	0: Unused 1: TEXT/PHOTO base 2: TEXT base 3: Printed image base 4: Photo base 5: Map base	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Image	PPC		7617		ADF noise reduction	3	0~3	SYS	Sets the adjustment level for reducing color streaks when the RADF is used. 3: Disabled (default) 2: Noise reduction level - Low 1: Noise reduction level - Middle (recommended) 0: Noise reduction level - High * The setting of this code is applied only when the Text/Photo mode is selected.	1	
08	Setting mode	Image Processing	Image			7625		Scanning operation switching at automatic calibration	0	0~1	SYS	Application of monochrome result at integrated pattern tone correction 0: Result is applied 1: Result is not applied	1	
08	Setting mode	Image Processing	Image quality control			8103		Tone correction with image quality TRC control, switching between enabled/disabled	1	0~1	SYS	Switches whether tone correction with TRC control correction is enabled or disabled.0: Tone correction disabled 1: Tone correction enabled	1	
08	Setting mode	Image Processing	Image	SCN		8300		ADF noise reduction	3	0~3	SYS	Sets the adjustment level for reducing color streaks when the RADF is used. 3: Disabled (default) 2: Noise reduction level - Low 1: Noise reduction level - Middle (recommended) 0: Noise reduction level - High	1	
08	Setting mode	Image Processing	User interface	User mode setting	NW SCN	8303		Color	0	0~4	SYS	0: Unused 1: TEXT base 2: Printed image base 3: Photo base 4: e-document base * e-document: This is the mode that corresponds to the law in Japan. This mode is used to clarify area where changes were made with such as a correction fluid.	1	Yes
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	0	High quality	128	0~255	SYS	Changes the JPEG compression ratio. The smaller the value, the higher the compression ratio becomes and the larger the value, the lower the compression ratio becomes.	4	
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	1	Standard	128	0~255	SYS		4	
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	2	Low quality	128	0~255	SYS		4	
08	Setting mode	System	General			8503		Media sensor detection history display			-	Displays the latest 20 events detected by the media sensor on the LCD screen.	2	
08	Setting mode	System	General			8504		Feeding method of odd page number in duplex printing (Raw print)	0	0~1	SYS	0: One side 1: Both sides	1	
08	Setting mode	System	General			8506		Forcible mode change in cartridge empty status	0	0~2	SYS	0: SLEEP MODE 1: AUTO POWER SAVE 2: READY	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8508		Controlling method for print image position adjustment in secondary scanning direction	2	0~2	SYS	0: No control 1: Cuts the image 2: Shifts the image	1	
08	Setting mode	System	General			8509		Controlling amount for print image position adjustment in secondary scanning direction	12	0~36	SYS	0-36	1	
08	Setting mode	System	General			8510		Menu display for controlling print image position adjustment in secondary scanning direction	0	0~1	SYS	0: Menu not displayed 1: Menu displayed	1	
08	Setting mode	System	General			8511		Wide A4 Mode (for PCL)	0	0~1	SYS	0: Disable 1: Enable	1	
08	Setting mode	System	General			8512		Number of jobs in batch processing	10	2~10	SYS	2-10: From 2 to jobs can be specified	1	
08	Setting mode	System	General	Overprint function setting		8513	0	For PDF printing	2	0~2	SYS	Enables or disables the overprinting function setting when printing PDF files. 0: OFF 1: ON 2: ON (only for PDF/X files)	4	
08	Setting mode	System	General	Overprint function setting		8513	1	For PostScript printing	0	0~1	SYS	Enables or disables the overprinting function setting when printing with PostScript. 0: OFF 1: ON	4	
08	Setting mode	System	General			8514		Threshold value setting for RIP standard paper judgment	20	5~30	SYS	This code is used for changing the range in which non-standard paper sizes are judged as standard ones. If the page size data are within the standard paper size \pm the setting value, the page size is judged as a standard paper size in PS/PDF printing. If the page size data are out of the range, the page size is judged as a non-standard paper size. The unit for the setting value is PS points. 1 PS point is approx. 0.35 mm.	1	Yes
08	Setting mode	System	General	Outside erase judgment threshold (Default)		8515		PPC	0	-3~3	SYS	The larger the value, area to be erased increases. The smaller the value, area to be erased decreases.	1	
08	Setting mode	System	General	Outside erase judgment threshold (Default)		8516		SCN	0	-3~3	SYS	The larger the value, area to be erased increases. The smaller the value, area to be erased decreases.	1	
08	Setting mode	System	General			8517		Remote Scan User authentication automatic login	1	0~1	SYS	0: OFF (A user always enters manually (current method)) 1: ON (Previous authentication information will be used)	1	
08	Setting mode	System	General			8518		Overwriting mode for scanned files	0	0~3	SYS	0: Always OFF 1: Meta Scan function ON / Normal scan function OFF 2: Meta Scan function OFF / Normal scan function ON 3: Always ON	1	
08	Setting mode	System	General			8519		Scan PDF file Paper size	1	0~1	SYS	0: Equivalent to scan image size 1: Fitted into any standard size	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8520		Underscore conversion of prohibited character in filename	1	0~1	SYS	Sets the prohibited characters in filename to covert to underscore. 0: \ / > < , " ? * : ; = [] + 1: \ / > < " ? * : * 0: Existing model standard 1: Windows standard Since setting the value to "1" allows some prohibited characters, filename might not be processed in external application or server.	1	
08	Setting mode	System	General			8521		Switchover of output format of Service Notification attachment	Refer to contents	0~1	SYS	Switches the output format of date in attachment of Service Notification. 0: YYYY.MM.DD 1: YYYY-MM-DDTHH:MM:SS <Default value> NAD/NAC: 1 Others: 0	1	
08	Setting mode	System	User interface	Screen setting		8523		Toner near-empty status Message	Refer to contents	0~1	SYS	0: ON 1: OFF <Default value> ASD/CND: 0 Others: 1	1	Yes
08	Setting mode	System	General			8524		No paper Message display	0	0~1	SYS	0: ON 1: OFF	1	
08	Setting mode	System	General			8525		No paper message display (T-LCF left tray)	0	0~1	SYS	0: ON 1: OFF	1	
08	Setting mode	System	General			8526		Default setting of scan preview	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	General			8527		Default display type of scan preview	0	0~1	SYS	0: Fit to page 1: Fit to width	1	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	0	Number of pages released (Copier)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5540C: 4 e-STUDIO6540C/6550C: 5	4	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	1	Number of pages released (Printer)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5540C: 4 e-STUDIO6540C/6550C: 5	4	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	2	Number of pages released (Box print)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5540C: 4 e-STUDIO6540C/6550C: 5	4	
08	Setting mode	System	General			8532		Control panel Brightness level adjustment	4	1~7	SYS	1-7: Brightness level	1	
08	Setting mode	System	General	2nd transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	PRT	8533		1st transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	1	0~2	SYS	When jittering occurs during the printing of thick paper in the black mode with the 1st transfer roller released from the transfer belt, this setting makes the roller contact. 0: Disabled 1: Enabled only for thick paper and special paper 2: Enabled for all media types	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	2nd transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	PPC	8534		1st transfer roller contact/release setting when printing thick paper(countermeasure against image jittering in the black mode)	0	0~2	SYS	When jittering occurs during the printing of thick paper in the black mode with the 1st transfer roller released from the transfer belt, this setting makes the roller contact. 0: Disabled 1: Enabled only for thick paper and special paper 2: Enabled for all media types	1	
08	Setting mode	System	General			8537		Sorting method for displaying private/hold print jobs	0	0~1	SYS	Changes the sorting order for print jobs on the private/hold print list. 0: Descending order 1: Ascending order	1	
08	Setting mode	System	User interface			8538		Toner near empty notification setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Scanner			8540		Date/time format in the Meta Scan XML file	1	0~1	SYS	0: YYYY/MM/DDhh:mm:ss.mmm 1: YYYY-MM-DDThh:mm:ss.mmmTZD	1	
08	Setting mode	System	User interface			8543		Switching to the low power consumption mode in the Sleep mode	1	0~1	SYS	0: Not switched 1: Switched under certain conditions	1	Yes
08	Setting mode	System	User interface			8544		Tolerance for switching to Super Sleep mode	5	5~600	SYS	Sets the range of tolerance in which the equipment returns to the Super Sleep mode after the system is started during that mode. Unit: Second	1	Yes
08	Setting mode	System	User interface			8546		Input setting of minus value for image shift when copying	0	0~1	SYS	0: Inputting a minus value is disabled. 1: Inputting a minus value is enabled.	1	Yes
08	Setting mode	System	Paper feeding			8548		Operation of drawer size change when printing is interrupted by size mismatch	0	0~1	SYS	0: Operation of the drawer size change is disabled. 1: Operation of the drawer size change is enabled.	1	
08	Setting mode	System	Counter			8549		Hardware key control when external counter is installed	0	0~1	SYS	0: No control 1: Mode switch key is disabled.	1	
08	Setting mode	System	Network			8585		Edit setting of e-mail subject	1	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Network			8586		Addition of date and time to email subject	1	0~1	SYS	0: Not added 1: Added	1	
08	Setting mode	System	Network			8587		Character string of email subject	0	0~1	SYS	Switches the default character string of subject. 0: Character string at the shipment 1: Character string specified by users	1	
08	Setting mode	System	LDAP user authentication	Attribute value setting		8592		Sender address	mail		SYS	Sets the default attribute value of sender address. Maximum 32 characters (ASCII).	11	
08	Setting mode	System	LDAP user authentication	Attribute value setting		8593		Sender name	uid		SYS	Sets the default attribute value of sender name. Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface			8597		Automatic update of private/hold print job list	0	0~1	SYS	0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance			8598		Template icon layout on the control panel	0	0~1	SYS	0: Pattern 1 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) 1: Pattern 2 (1) (2) (9) (10) (3) (4) (11) (12) (5) (6) (13) (14) (7) (8) (15) (16)	1	
08	Setting mode	System	General	Outside erase		8600		Change of default value	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface			8603		Special usage of external options I/F	0	0~2	SYS	0: None 1: Usage 1 2: Usage 2	1	
08	Setting mode	System	Network	Prioritized authentication server		8608		Windows	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes
08	Setting mode	System	Network	Prioritized authentication server		8609		LDAP	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes
08	Setting mode	System	Network	Prioritized authentication server		8610		Card	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes
08	Setting mode	System	User interface			8622		Date and time addition setting to file name of scan to file/e-mail	1	0~1	SYS	0: Not added 1: Added	1	
08	Setting mode	System	General			8623	0	RIP function setting	1	0~1	SYS	Enables/Disables the function related to Excel boarder rendering of PCL6. The function is to prevent missing lines when scaling down and inconsistent line width when scaling up. 0: Disabled (No correction. Compliant with PCL6 language) 1: Enabled	4	
08	Setting mode	System	User interface			8624		Switchover of display method of filename	3	0~3	SYS	Switches the display method of filename. 0: Displays the filename from the beginning 1: Displays the trailing characters 2: Displays the beginning and trailing characters 3: Displays the filename without abbreviation	1	
08	Setting mode	System	User interface			8628		Job operation on the COPY screen when the coin controller is connected	0	0~1	SYS	This setting enables user to move from the COPY screen to JOB STATUS screen, and then operate jobs during printing when the coin controller is connected. This code is valid when the value of 08-9016 is "1". 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	FAX			8631		Filename creation at fax reception and forwarding	0	0~1	SYS	0: Use address name (family-name/first-name) as filename if multiple names are found by address book search of TSI (sender information). 1: Use address name (family-name/first-name) as filename only when single name is found by address book search of TSI (sender information).	1	
08	Setting mode	System	User interface			8640		Job build operation when the coin controller is connected	0	0~1	SYS	This setting enables user to use the job build function when the coin controller is connected. This code is valid when the value of 08-9016 is "1". 0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8641		Notification setting for job cancel	1	0~1	SYS	Sets the notification setting for job cancel. This setting is effective for the following codes: 1CC0, 2BB0, 2CC0, 2DC0, 2EC0 0: Disabled (Not notified) 1: Enabled (Notified)	1	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8642		LDAP attribute name settings 2	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8643		LDAP attribute name settings 3	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8644		LDAP attribute name settings 4	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8645		LDAP attribute name settings 5	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8646		LDAP attribute name settings 6	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8647		LDAP attribute name settings 7	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8648		LDAP attribute name settings 8	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8649		LDAP attribute name settings 9	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8650		LDAP attribute name settings 10	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8651		LDAP attribute name settings 11	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8652		LDAP attribute name settings 12	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8653		LDAP attribute name settings 13	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8654		LDAP attribute name settings 14	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8655		LDAP attribute name settings 15	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reader	LDAP authentication	8656		LDAP attribute name settings 16	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Sound		8657		Placing original	0	0~1	SYS	0: OFF 1: ON	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Sound		8658		Pressing [INTERRUPT] button	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound		8659		Switchover of function	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound		8660		Completion of job (except for FAX)	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound		8661		End of warming-up/prewarming/sleep	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound		8662		Job interrupt (out of paper)	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound		8663		Fax transmission error	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	User interface	Sound	Hours for mute	8664	0	Enable/Disable setting of mute	0	0~1	SYS	0: Mute is disabled 1: Mute is enabled	4	
08	Setting mode	System	User interface	Sound	Hours for mute	8664	1	Starting time	0	0~2359	SYS	(Hour/Hour/Minute/Minute)	4	
08	Setting mode	System	User interface	Sound	Hours for mute	8664	2	Ending time	0	0~2359	SYS	(Hour/Hour/Minute/Minute)	4	
08	Setting mode	System	General			8667		Saving image log	0	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8668		Number of pages saved as image log	1	0~1	SSDK	0: First page 1: All pages	1	
08	Setting mode	System	General			8670		e-Filing print setting when key counter/totalizer is installed	0	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Network	Number of retry for file transfer		8671	0	FTP	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Number of retry for file transfer		8671	1	SMB	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Number of retry for file transfer		8671	2	NetWare	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Retry interval for file transfer		8672	0	FTP	180	0~999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	
08	Setting mode	System	Network	Retry interval for file transfer		8672	1	SMB	180	0~999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	
08	Setting mode	System	Network	Retry interval for file transfer		8672	2	NetWare	180	0~999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	
08	Setting mode	System	General			8673		Disclosure of image log function	0	0~1	SSDK	0: Not opened to public 1: Opened to public	1	
08	Setting mode	System	General			8674		Prohibition of transition to sleep mode during network initialization	0	0~1	SYS	0: Allowed 1: Prohibited	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	FAX			8700		Secret reception setting	0	0~2	SYS	When the value of 08-8924 is "0", the value of this code can be set to "1" or "2". 0: Always Off 1: Always On 2. Scheduled reception	1	
08	Setting mode	System	User interface			8704		Email/FAX address restriction	0	0~1	SYS	0: No restriction 1: Search for external LDAP only Use this code to restrict address of email/fax to specified LDAP server. If the value of this code is set to "1", the addresses of email/fax are restricted to the LDAP server specified with TopAccess, and the direct input of addresses and selecting addresses from the local address book are not available. If the value of this code is set to "1", this setting is given priority over the setting value of 08-9299, 08-3848, 08-3849.	1	
08	Setting mode	System	User interface			8709		Display setting of Service Notification	Refer to contents	0~1	SYS	Sets whether the [SERVICE NOTIFICATION] button is displayed on the screen accessed by [USER FUNCTIONS] -> [ADMIN] -> [SERVICE]. 0: Disabled 1: Enabled <Default value> JPC/NAD/NAC/MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System	Scanning			8710		Setting of character code for Scan to FTP	0	0~2	SYS	0: Automatic selection 1: UTF8 2: Shift-JIS	1	
08	Setting mode	System	General	Hardcopy security printing		8711		Enable/Disable setting of watermark information tracking application	1	0~1	SYS	Set this code to "1: Disabled" to disable the watermark information tracking application at hardcopy security printing. When this code is set to "1: Disabled", a license error occurs even if the license for hardcopy security printing is enabled. If this error occurs, hardcopy security printing is available, but copy prohibition function and tracking application are not available. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8712		Display setting of the drawer setting button	1	0~1	SYS	Sets whether the drawer button in USER FUNCTIONS is displayed or not. 0: Not displayed 1: Displayed	1	Yes
08	Setting mode	System	User interface			8713		Setting of web upload/web printing	1	0~1	SYS	Sets whether the web upload and web printing function is enabled or disabled. - Web upload is a function which uploads the image data created on the equipment to the web page displayed on EWB. - Web printing is a function which prints the web page displayed on EWB or the PDF file included in the web page displayed on EWB. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	Service notification information		8715		Password for zip file with password	#1048109		SYS	Password for zip file with password of service notification information. Minimum number of digits: 0, maximum number of digits: 20 Available character: alphanumeric characters and symbols	11	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			8718		Selection for caching the screen of control panel at start-up	0	0~17	SYS	Use this code to shorten the time to switch the function on the control panel for the first time immediately after start-up. However, the start-up time becomes longer (about 1 to 3 seconds per screen). When selecting multiple screens, enter the total value. 0: Disabled 1: Copy 16: Fax	1	
08	Setting mode	System	Network			8719		MTU setting of network communication	1500	576~1500	NIC	Normally there's no need to change the MTU value. Set the proper MTU value when MFP is connected to the Internet using broadband router and so on.	12	
08	Setting mode	System	User interface			8720		Department code display with asterisk	0	0~1	SYS	0: Displays department code with asterisk when inputting it. 1: Displays department code as it is when inputting it.	1	Yes
08	Setting mode	System	FAX			8721		Automatic FAX sending at AutoClear when scanning original put on the glass	0	0~1	SYS	Sets whether the job is sent or canceled when AutoClear is executed on the interruption screen to confirm the next original displayed after scanning the original put on the glass. Use this code to cancel job when the equipment is left unattended while the interruption screen is displayed. 0: Sends job 1: Cancels job	1	Yes
08	Setting mode	System	User interface			8722		Display method of "Cannot find the Home Directory" on the control panel	0	0~1	SYS	Sets the display method of error if the Home Directory for user cannot be obtained from the server when setting the Home Directory for scanning. Use this code to disable the pop-up display when the Home Directory cannot be obtained depending on the user. 0: Displays the pop-up dialog when user logs in 1: Displays the message in the guidance area when the Scan to File screen is displayed	1	Yes
08	Setting mode	System	User interface			8723		Pop-up display of logging out of user authentication and department management on the control panel	1	0~1	SYS	Sets whether the pop-up dialog of confirmation for logging out is displayed when user or department logs out by pressing [FUNCTION CLEAR] button twice or pressing [ACCESS] button. 0: Logs out without displaying pop-up dialog 1: Displays pop-up dialog when logging out	1	Yes
08	Setting mode	System	User interface			8724		Display setting of Edit From Address button for Scan to email	1	0~1	SYS	0: Not displayed (From Address cannot be edited) 1: Displayed (From Address can be edited)	1	Yes
08	Setting mode	System	User interface			8725		Display setting of [USER FUNCTIONS]-> CHANGE LANGUAGE button	1	0~1	SYS	Sets whether the [CHANGE LANGUAGE] button accessed from [USER FUNCTIONS] button is displayed or not. Use this code to prohibit users from changing the language displayed on the control panel. Administrators can change the language. 0: Not displayed 1: Displayed	1	Yes
08	Setting mode	System	General			8726		Job deletion on the Job Status screen	0	0~1	SYS	Use this code to enable the job deletion on the [Job Status] screen. When "3: High level" is set for code 08-8911, be sure to disable this setting. 0: Disabled 1: Enabled	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Card reader		8727		Display of dedicated screen for card authentication	0	0~1	SYS	Switches whether the message to hold a card over the card reader is displayed on the login screen when the card authentication is enabled. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Forced printing of user name			8728	0	Display/Non-display setting in TopAccess	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	1	Enable/Disable setting of forced printing	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	2	Prioritizing printer driver setting	1	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	3	Application to network fax job	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	4	Enable/Disable setting of prefix/suffix	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	6	White background setting	1	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	7	Print position	0	0~3	SYS	Normally this setting is made in TopAccess. 0: Bottom left 1: Top left 2: Bottom right 3: Top right	4	
08	Setting mode	System	Forced printing of user name			8728	8	Fine adjustment of print position (X)	3	0~100	SYS	Adjusts the print position in X direction. The print position shifts toward inside of original when the value increases. Unit: pt. 1pt = 0.35mm.	4	
08	Setting mode	System	Forced printing of user name			8728	9	Fine adjustment of print position (Y)	3	0~100	SYS	Adjusts the print position in Y direction. The print position shifts toward inside of original when the value increases. Unit: pt. 1pt = 0.35mm.	4	
08	Setting mode	System	Forced printing of user name			8728	10	Font setting	0	0~9	SYS	Normally this setting is made in TopAccess. 0: Helvetica 1: AlbertusMT 2: Chicago 3: Eurostile 4: Geneva 5: GillSans 6: LetterGothic 7: Monaco 8: Taffy 9: TimesNewRomanPSMT	4	
08	Setting mode	System	Forced printing of user name			8728	11	Font size setting	8	6~16	SYS	Normally this setting is made in TopAccess. 6-16pt.	4	
08	Setting mode	System	Forced printing of user name			8728	12	Font color setting	0	0~7	SYS	Normally this setting is made in TopAccess. 0: Black 1: Gray 2: Red 3: Green 4: Blue 5: Light red 6: Light green 7: Light blue	4	
08	Setting mode	System	Forced printing of user name			8728	13	Density setting of light font color	40	10~90	SYS	Sets the density when the font color is set to gray, light red, light green, or light blue.	4	
08	Setting mode	System	Forced printing of user name			8729		Prefix setting	Printed by		SYS	Normally this setting is made in TopAccess. Maximum 64 characters.	11	
08	Setting mode	System	Forced printing of user name			8730		Suffix setting			SYS	Normally this setting is made in TopAccess. Maximum 64 characters.	11	
08	Setting mode	System	User interface			8732		Default Menu Screen Setting	0	0~1	SYS	Switches the default screen of MENU 0: User 1: Public	1	
08	Setting mode	System	Scanning			8735		Sending setting of Scan To URL	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Scanning			8736		Maximum size for ScanToURL attachment	5	0~100	SYS	Sets the maximum size of attachment that can be sent with ScanToURL. 0: Always sends URL 1-100: Maximum size (MB)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Screen setting		8738		E-mail address direct input button	1	0~1	SYS	Switches the display setting of the [INPUT @] button. 0: Not displayed 1: Displayed	1	
08	Setting mode	System	User interface	Screen setting		8744		Switchover of pop-up display during scanning	1	0~1	SYS	Switches the pop-up display during scanning 0: Not displayed 1: Displayed	1	
08	Setting mode	System	User interface			8745		Enable/Disable setting of EWB history	0	0~1	SYS	Sets whether part of the cookie, password, and form data of user who logs in to EWB is saved or not. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network			8746		Port number setting of destination 10 for sending trap	162	1~65535	NIC	Sets the port number of destination 10 for sending SNMP trap. If the port is used when using the real time log notification function, change the port number.	12	
08	Setting mode	System	User interface			8748		Input of department code at user authentication	0	0~1	SYS	0: Not required 1: Required	1	
08	Setting mode	System	Network			8749		User authentication by logon information to domain (external authentication)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8754		Error sheet output at reception of non-supported PDL	1	0~1	SYS	0: Error sheet is not output 1: Error sheet is output	1	
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8755		Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8756	0	Remaining amount at first notification	25	0~100	SYS	0 to 100%	4	
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8756	1	Notification interval	10	1~25	SYS	1 to 25%	4	
08	Setting mode	System	User interface	Card reader		8758		Overwriting of login at authentication	0	0~1	SYS	Switches the enable/disable setting for the function to overwrite the login information at the card authentication. 0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8761		Retention of print (spooling) data	0	0~1	SYS	Use this code to retain and obtain the print data (spooling data) if problem occurs. After obtaining the data, be sure to disable the setting. 0: Disabled (print data is deleted) 1: Enabled (print data is retained)	1	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	0	K	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	1	C	0	0~100	SYS	0 to 100%	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	2	M	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	3	Y	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Network			8771		Account setting for access to Home Directory	0	0~1	SYS	0: Setting of Remote1 is used 1: Setting of Remote1 and Remote2 is used	1	
08	Setting mode	System	Network			8774		Password authentication for print job	0	0~1	SYS	Sets whether the user authentication for network printing/FAX/InternetFAX using the user information and password input on the printer driver is enabled or disabled. When this setting is enabled, the setting of 08-8749 is automatically disabled. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	PIN code		8775		PIN code authentication setting at user authentication	0	0~2	SYS	0: Disabled 1: PIN code 2: Card+PIN code	1	
08	Setting mode	System	Network	PIN code		8776		Logging setting of PIN code	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	PIN code		8777		Attribute value setting of LDAP PIN authentication server 1	eBMUserPIN		SYS	Attribute name of PIN code	11	
08	Setting mode	System	Network	PIN code		8778		Attribute value setting of LDAP PIN authentication server 2	eBMUserPIN		SYS	Attribute name of PIN code	11	
08	Setting mode	System	Network	PIN code		8779		Attribute value setting of LDAP PIN authentication server 3	eBMUserPIN		SYS	Attribute name of PIN code	11	
08	Setting mode	System	Network	PIN code		8780		Prioritized authentication server	1	1~3	SYS	Sets the prioritized authentication server to be searched.	1	
08	Setting mode	System	User interface	Screen setting		8781		Default setting of print screen when USB is inserted	0	0~1	SYS	0: Disabled (The setting of 08-9236 is used) 1: USB print screen	1	
08	Setting mode	System	General	Interval setting	Transition to Super Sleep	8782		For fax	15	15~600	SYS	Sets the interval to shift to Super Sleep again after recovery from Super Sleep. (Unit: seconds)	1	
08	Setting mode	System	General			8783		Switchover of document sorting order of e-Filing Box	1	0~1	SYS	0: Sorted by saved date 1: Sorted by document name	1	
08	Setting mode	System	User interface			8785		Display/Non-display of pop-up for card authentication	Refer to contents	0~1	SYS	Sets whether the pop-up is displayed or not after the success of card authentication. This code is effective when the value of 08-8727 is "1" (Enabled). 0: Does not display pop-up 1: Displays pop-up <Default value> JPC: 0 Others: 1	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Default keyboard setting		8786	0	Japanese	3	0~4	SYS	Sets the default keyboard for inputting user name. 0: Romaji 1: Hiragana 2: Katakana (one-byte) 3: Alphabetical character (one-byte) 4: Symbol (one-byte)	4	
08	Setting mode	System	User interface	Default keyboard setting		8786	1	Chinese	0	0~2	SYS	Sets the default keyboard for inputting user name. 0: Alphabetical character (one-byte) 1: Pinyin 2: Symbol (one-byte)	4	
08	Setting mode	System	Network			8788		Detection interval when authentication server is down	60	1~1440	SSDK	Sets the interval to access the authentication server again after the detection of server down. 1-1440 (min.)	1	
08	Setting mode	System	User interface			8789		Display/Non-display of pop-up for automatic output of jobs	1	0~1	SYS	Sets whether the pop-up is displayed or not when jobs are automatically released after user authentication. This code is effective when the value of 08-8915 is "1" (Enabled). 0: Does not display pop-up 1: Displays pop-up	1	
08	Setting mode	System	Network			8790		Switchover of server when authentication server is down	0	0~1	SSDK	Enables/disables the function that switches the access to another authentication server when it is detected that the authentication server is down. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network			8792		Format of host name used for Scan To URL	0	0~2	SYS	0: IP address 1: Host name (FQDN) 2: NetBIOS name	1	
08	Setting mode	System	User interface			8795		Default setting of duplex mode for printer driver	Refer to contents	0~1	SYS	0: Single-sided 1: Duplex <Default value> JPC: 0 Others: 1	1	
08	Setting mode	System	Maintenance	General		8797		Reboot setting for resource check	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	Network			8800		Enabling / Disabling of 802.1X	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8802		Enabling / Disabling of IPsec	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8803		Enabling / Disabling of SNMPv3	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8804		Enabling / Disabling of IP filtering	2	1~2	SYS	1: Enabled 2: Disabled	1	
08	Setting mode	System	Network			8805		Enabling / Disabling of MAC address filtering	2	1~2	SYS	1: Enabled 2: Disabled	1	
08	Setting mode	System	Network			8820		IPsec NAT-Traversal setting	1	1~3	NIC	1: Default (IKEv1: Disabled, IKEv2: Enabled) 2: Enable IKEv1 & IKEv2 3: Disable IKEv1 & IKEv2	12	
08	Setting mode	System	Network			8821		IPsec CRL setting	2	1~2	NIC	1: Enable CRL 2: Disable CRL	12	
08	Setting mode	System	Network			8824		FTP client mode	0	0~2	NIC	Sets the FTP transfer mode when FTP is selected for "FILE" to save the scanned data. 0: Automatic 1: Passive mode 2: Active mode	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			8825		Sending of host announcement in Super Sleep mode	1	1~2	NIC	Since MFP is deleted from the master browser of Windows network if MFP is in the Super Sleep mode for 36 minutes or more, enable this setting to always display MFP in the browse list. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	Dynamic update of DNS server		8826		Enable/Disable setting	1	1~2	NIC	Sets whether the function that gets the secondary DNS server to work as the primary DNS server temporarily is enabled or not when the primary DNS server is not available. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	Dynamic update of DNS server		8827		Operating interval	60	1~1440	NIC	Sets the operating interval of dynamic update. 1-1440 (min.)	12	
08	Setting mode	System	Network			8831		Time-out period for EWB network connection	60	1~300	SYS	1 to 300 (sec.)	1	
08	Setting mode	System	Network			8833		SMB server protocol	1	1~2	NIC	1: SMB1.0 2: SMB2.0	12	
08	Setting mode	System	Network			8835		Link down detection of network cable	1	0~1	NIC	0: Disabled 1: Enabled	12	
08	Setting mode	System	Network			8836		Time-out period for SMB client connection	30	1~180	NIC	Sets the time-out period for the SMB client connection to a server. 1 to 180 (seconds) * If a small value is set, connection to an SMB server may fail. * If the time-out is carried out while a connection to No. 445 port of an SMB server is set, the connection request is switched to No. 139 port.	12	
08	Setting mode	System	General	Registration number for workflow		8900	0	Total	2000	1000~2000	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	1	Number of interrupt copy	1	1	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	2	Number of transmission and calling of Fax/InternetFax	100	10~100	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	3	Number of printing	1000	150~1000	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	FAX			8901		Default setting of fax preview	0	0~1	SYS	Sets whether the preview function is enabled or disabled by default when using the fax function. 0: OFF 1: ON	1	
08	Setting mode	System	FAX			8902		Default display method of fax preview	0	0~1	SYS	Sets the default display method on the preview screen when using the fax function. 0: Fit to page 1: Fit to width	1	
08	Setting mode	System				8904		Job jump instruction setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System				8905		Forcible printing against unacceptable paper error	0	0~1	SYS	0: OFF (printing not continued) 1: ON (printing continued by automatically selecting the available exit tray)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Continuous print setting when punching dust box is full			8906		Copy	0	0~1	SYS	0: OFF (copying not continued) 1: ON (copying continued by canceling punching setting)	1	
08	Setting mode	System	Continuous print setting when punching dust box is full			8907		Printer/e-Filing	1	0~1	SYS	0: OFF (copying not continued) 1: ON (copying continued by canceling punching setting)	1	
08	Setting mode	System	General			8910		Time to auto-clearing when in the self-diagnostic mode	0	0~5	SYS	0: None 1: 1 min. 2: 5 min. 3: 10 min. 4: 30 min. 5: 99 min.	1	
08	Setting mode	System	General			8911		Security mode (level) setting	1	1~4	SYS	Level setting for security function 1: Low level 2: - 3: High level 4: -	1	
08	Setting mode	System	Maintenance	General		8912		Serial number display of finisher			-	FIN S/N: XXXXXXXXX	2	Yes
08	Setting mode	System	Maintenance	General		8913		Warning display for password expiration	15	0~30	SYS	0: None 1-30: Remaining days until the password expiration for warning start.	1	Yes
08	Setting mode	System	MFP function setting			8914	0	Copy	1	0~1	SYS	Sets whether the Copier function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	1	e-Filing	1	0~1	SYS	Sets whether the filing function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	2	Fax	1	0~1	SYS	Sets whether the Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	3	InternetFAX	1	0~1	SYS	Sets whether the InternetFAX function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	4	Email	1	0~1	SYS	Sets whether the email function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	5	Save as Local HDD	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	6	Save as Local HDD from Print	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment using print function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	MFP function setting			8914	7	Save as Local HDD from Fax	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment using Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	8	Save to USB Media	1	0~1	SYS	Sets whether the function that saves scanned data of originals to USB media is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	9	Save as FTP	1	0~1	SYS	Sets whether the function that saves scanned data of originals to FTP server is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	10	Save as FTPS	1	0~1	SYS	Sets whether the function that saves scanned data of originals to FTP server using SSL is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	11	Save as SMB	1	0~1	SYS	Sets whether the function that saves scanned data of originals to the SMB server is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	12	Save as Netware	1	0~1	SYS	Sets whether the function that saves scanned data of originals to the Netware server is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	13	Web Service Scanning (WS Scan)	1	0~1	SYS	Sets whether the WS scanning function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	14	Twain Scanning (Remote Scan)	1	0~1	SYS	Sets whether the remote scanning function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	15	Send to External Controller	1	0~1	SYS	Sets whether the function that saves data to the external server is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	16	Network Fax	1	0~1	SYS	Sets whether the Network Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	MFP function setting			8914	17	Network InternetFAX	1	0~1	SYS	Sets whether the Network InternetFAX function is enabled or disabled. 0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Network			8915		Automatic output of jobs at login	0	0~1	SYS	Sets whether jobs registered in the hold queue of user are automatically output or not when the user logs in. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8919		Service password			SYS	Sets the password to log into the self-diagnostic mode and Service UI.	11	Yes
08	Setting mode	System	Option	FAX		8920		Output tray for FAX/InternetFAX/e-mail printing	0	0~2	SYS	Selects the bin/tray to which the paper is output. 0: Inner receiving tray 1: Finisher 1st bin 2: Finisher 2nd bin * When the Job Separator is installed, the setting is as follows: 0: Job Separator tray 1: Exit tray 2: Job Separator tray	1	Yes
08	Setting mode	System	Department management			8921		Clearing of the user/department counter	1	0~1	SYS	0: Not allowed 1: Allowed	1	Yes
08	Setting mode	System	User interface			8922		Email header print setting	0	0~1	SYS	Sets whether the header of an Email or an Internet Fax is printed or not as they are received. 0: Not printed 1: Printed	1	
08	Setting mode	System	User interface			8923		Email body print setting	1	0~1	SYS	Sets whether the body of an Email or an Internet Fax is printed or not as they are received. 0: Not printed 1: Printed	1	
08	Setting mode	System	User interface			8924		Registration of the received Fax / Internet Fax / Email jobs to hold queue	0	0~1	SYS	Registers the received Fax / Internet Fax / Email jobs to the hold queue instead of printing immediately. Data in the hold queue are not printed unless the user allows printing by means of the control panel. 0: Not registered (normal printing) 1: Registered	1	
08	Setting mode	System	General			8925		Data tampering checking at startup	0	0~1	SYS	Sets whether data tampering is checked or not at startup. 0: Not checked 1: Checked	1	
08	Setting mode	System	Department management			8926		Clearing of all department counters			SYS	In cases when the administrator has prohibited the clearing of department counter data using code 08-8921, a service technician can clear the data using this code.	3	Yes
08	Setting mode	System	Department management			8927		Clearing of all user counter			SYS	In cases when the administrator has prohibited the clearing of user counter data using code 08-8921, a service technician can clear the data using this code.	3	Yes
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	0	Plain / Recycled paper	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	1	Thick paper 1	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	2	Thick paper 2	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	3	Thick paper 3	0	-25~25	SYS	-25 to 25	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Password			8929		Administrator password reset			SYS	The default password is set. When "3: High level" is set for code 08-8911, the default password is set as a temporary password.	3	
08	Setting mode	System	User interface	Off Device Customization Architecture		8931		Output Management Service setting	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8932		Availability of Netware	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	User interface			8933		SSL setting (SSL SMTP Client Off/on)	2	1~3	NIC	1: Enabled (accepts all server certificates) 2: Disabled 3: Enabled (uses the imported CA certificate)	12	
08	Setting mode	System	User interface			8934		SSL setting (SMTP Client SSL/TLS)	1	1~2	NIC	1:STARTTLS 2:Over SSL	12	
08	Setting mode	System	User interface			8935		Remote Scanning	1	0~1	NIC	0: Disabled 1: Enabled	12	
08	Setting mode	System	User interface			8936		Remote Scanning with SSL	0	0~1	NIC	0: Disabled 1: Enabled	12	
08	Setting mode	System	User interface			8937		Remote Scanning port number	20080	0~65535	NIC		12	
08	Setting mode	System	User interface			8938		Remote Scanning SSL port number	20443	0~65535	NIC		12	
08	Setting mode	System				8942		Debug level setting	2	0, 2	-	Sets the output volume of debug log. When the value is set to "0", the performance may decrease. 0: Debug log level - high 2: Debug log level - normal	1	
08	Setting mode	System	Maintenance	Remote service		8946	0	Acquisition starting time for RDMS	0	0~99999999	SYS	Month/day/hour/minute of starting time	14	
08	Setting mode	System	Maintenance	Remote service		8946	1	Acquisition ending time for RDMS	0	0~99999999	SYS	Month/day/hour/minute of ending time	14	
08	Setting mode	System	User interface	Card reader		8947		Automatic user registration for card authentication	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	General		8948		Language package information			-	Displays the information of the installed language package.	2	Yes
08	Setting mode	System	Version			8952		External version of HD data			-	External version of file system for system software	2	
08	Setting mode	Printer	Paper feeding			8967		Rotation printing by guides width of bypass feed tray	1	0~1	SYS	If the printing size and the guides width of the bypass feed tray are different, it is judged that paper is set in the wrong direction. The occurrence frequency of interruption by the error of the guides width may be decreased. However, this code does not work depending on the conditions, such as when stapling is selected. Set this code when requested by user or the guides width sensor is broken. Related code: 08-4621. 0: Invalid 1: Valid	1	
08	Setting mode	System	User interface	General		8968		Language package information (Panel Help)			-	Displays the language package information of the installed Panel Help.	2	Yes
08	Setting mode	System	User interface	General		8969		Language package information (WebHelp)			-	Displays the language package information of the installed WebHelp.	2	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	General		8970		Language package information (Service UI)			-	Displays the language package information of the installed Service UI.	2	Yes
08	Setting mode	System	User interface	General		8971		Installation of language package			-	Installs the language package.	3	Yes
08	Setting mode	System	General	Self-certificate		8973		Length of public key	1	0~1	SYS	0: 1024 bit 1: 2048 bit	1	
08	Setting mode	System	General	Self-certificate		8974		Signature algorithm	0	0~4	SYS	0: SHA1 1: SHA224 2: SHA256 3: SHA384 4: SHA512	1	
08	Setting mode	System	Network			8975		Data clearing of Point and Print			SYS	Point and Print in the equipment is deleted when this code is performed. Perform this code when a trouble occurs such as when uploading Point and Print is not possible. After performing this code, upload Point and Print from [Maintenance] menu in the [Administration] menu of TopAccess.	3	
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	0	Copy	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	1	Scan	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	2	FAX	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	Scanning			8980		Execution of Remote Scan while control panel is operated	0	0~1	NIC	Sets whether the remote scanning is enabled or disabled if the user is logged in using the control panel when user authentication or department management is enabled. 0: Disabled 1: Enabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Scheduled automatic reboot		8981		Day of the week	0	0~255	SYS	Sets the condition and day of the week for scheduled automatic reboot. The condition and day of the week are assigned to each bit as follows. Input the sum of each bit as setting value. <Input value> bit1: Monday 0: Disabled 1: Enabled bit2: Tuesday 0: Disabled 2: Enabled bit3: Wednesday 0: Disabled 4: Enabled bit4: Thursday 0: Disabled 8: Enabled bit5: Friday 0: Disabled 16: Enabled bit6: Saturday 0: Disabled 32: Enabled bit7: Sunday 0: Disabled 64: Enabled bit8: Set the condition of reboot 0: Reboots only when in the sleep or super sleep mode 128: Reboots regardless of the sleep mode <Example> - Reboots every day regardless of the sleep mode: 255 (1+2+4+8+16+32+64+128=255) - Reboots on Sundays: 192 (0+0+0+0+0+0+64+128=192) - Reboots every day only when in the sleep or super sleep mode: 127 (1+2+4+8+16+32+64+0=127) - Reboots on Sundays only when in the sleep or super sleep mode: 64 (0+0+0+0+0+0+64+0=64)	1	
08	Setting mode	System	General	Scheduled automatic reboot		8982		Time (Hour)	0	0~23	SYS	Sets time (hour) for scheduled automatic reboot.	1	
08	Setting mode	System	General	Scheduled automatic reboot		8983		Time (Minute)	0	0~59	SYS	Sets time (minute) for scheduled automatic reboot.	1	
08	Setting mode	System	User interface	NFC reader	Second type	8986		Device setting	0	0~4294967295	SYS	Sets the card reader device. This code is available only when two types of cards are used for the NFC card reader. 0012ZZZZ or 0013ZZZZ -ZZZZ: Sub code 0000: No authentication using a card 0001: IDm (FeliCa/NFC-FeliCa) and (or) UID (Mifare/NFC-Mifare) are used 0002: Data (FeliCa/NFC-FeliCa/Mifare/NFC-Mifare) 0003: SSFC mode	5	Yes
08	Setting mode	System	User interface	NFC reader	Second type	8987		Format information 1	0	0~4294967295	SYS	Sets the information to access the data stored in a card. This code is available only when two types of cards are used for the NFC card reader. 000ASSSS (hexadecimal, the first 3 digits are fixed) -A: 0: A key 1: B key -SSSS:	5	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	NFC reader	Second type	8988		Format information 2	0	0~4294967295	SYS	Sets the number of blocks of the data stored in a card. This code is available only when two types of cards are used for the NFC card reader. 00BSEbse (hexadecimal, the first 2 digits are fixed) -B: Block number of first block -S: Starting offset of first block -E: Ending offset of first block -b: Block number of second block -s: Starting offset of second block -e: Ending offset of second block	5	Yes
08	Setting mode	System	User interface	NFC reader	Second type	8989		Format information 3	0	0~0xFFFFFFFF FFFFFFFF FF	SYS	Sets the actual encryption key (12 digits) <hexadecimal> stored in Key Information of Sector Number registered in 08-8987. This code is available only when two types of cards are used for the NFC card reader. 0000KKKKKKKKKKKK (hexadecimal, the first 4 digits are fixed) -KKKKKKKKKKKK: key (12 digits)	5	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification setting	8991		Notification setting	0	0~1	SYS	0: Disabled 1: Enabled	2	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day 1	8992		Notification day 1	0	0~31	SYS	1st to 31th. Input "0" to disable this setting.	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day 2	8993		Notification day 2	0	0~31	SYS	1st to 31th. Input "0" to disable this setting.	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day of the week	8994		Notification day of the week	0	0~127	SYS	Input the value which corresponds to the day of the week. Input "0" to disable this setting. Sunday: 64 Monday: 32 Tuesday: 16 Wednesday: 8 Thursday: 4 Friday: 2 Saturday: 1 e.g.) Monday: 32 Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday: 127 (64+32+16+8+4+2+1=127)	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification time	8995		Notification time	300	0~2359	SYS	(Hour/Hour/Minute/Minute)	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 1 for notification	8996		Email address 1 for notification			SYS	Maximum 192 characters.	11	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 2 for notification	8997		Email address 2 for notification			SYS	Maximum 192 characters.	11	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 3 for notification	8998		Email address 3 for notification			SYS	Maximum 192 characters.	11	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Adjustment mode (05) data list	8999	1	Adjustment mode (05) data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Notification of equipment information	Setting mode (08) data list	8999	2	Setting mode (08) data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	PM support mode data list	8999	3	PM support mode data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Pixel counter list	8999	4	Toner cartridge reference	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Pixel counter list	8999	5	Service engineer reference	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Error history list	8999	6	Maximum 1000 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Error history list	8999	7	Latest 80 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Firmware upgrade log	8999	8	Maximum 200 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Power ON/OFF log	8999	9	Power ON/OFF log	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Version list	8999	10	Version list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Engine firmware log	8999	11	Engine firmware log	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Total counter list	8999	12	Total counter list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	13Code List	8999	14	13Code List	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	General			9000		Destination selection	Refer to contents	0~3	M	0: Europe 1: North America 2: Japan 3: Others <Default value> NAD/NAC: 1 JPC: 2 Others: 0	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Option	FAX		9001		Destination setting	Refer to contents	0~25	SYS	0: Japan 1: Asia 2: Australia 3: Hong Kong 4: U.S.A./Canada 5: Germany 6: U.K. 7: Italy 8: Belgium 9: Netherlands 10: Finland 11: Spain 12: Austria 13: Switzerland 14: Sweden 15: Denmark 16: Norway 17: Portugal 18: France 19: Greece 20: Poland 21: Hungary 22: Czech 23: Turkey 24: South Africa 25: Taiwan <Default value> NAD/NAC: 4 MJD/MJC: 5 JPC: 0 Others: 1	1	Yes
08	Setting mode	System	General			9010		Line adjustment mode	0	0~1	M	0: For factory shipment 1: For line Field: "0" must be selected	1	
08	Setting mode	System	General			9012		Language selection to be displayed at power-ON	Refer to contents		SYS	<Default value> JPC: Japanese CND: Simplified Chinese Others: English	11	
08	Setting mode	System	User interface			9016		Externally installed counter	0	0~5	M	0: No external counter 1: Coin controller (If the value of 08-9979 is "0" (ACS), it is changed to "2" (Full color).) 2: Totalizer/Key card (This value is valid only when "2" is set for 08-9000.) 3: Key counter 5: Coin controller supporting ACS/mixed-size (The value of 08-4131 is set to "1") * "4" cannot be set.	1	
08	Setting mode	System	Counter			9017		Setting for counter installed externally	1	0~7	M	Selects the job to count up for the external counter. 0: Not selected 1: Copier 2: Fax 3: Copier/Fax 4: Printer 5: Copier/Printer 6: Fax/Printer 7: Copier/Fax/Printer	1	
08	Setting mode	System	General	Memory		9020		Size information of memory			SYS	Displays the sizes of the main memory and page memory. Enables to check if each memory is properly recognized.	2	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9022		Production process management status for easy setup	99	0~99	SYS	Perform this code when an error occurs during the easy setup (unpacking manual adjustment) and you want to finish the easy setup, or when the error is canceled and you want to restart the unpacking manual adjustment. 0: Unpacking mode finished (before unpacking is started) 1: Auto-toner adjustment finished 2: Sub-hoppers and toner cartridges are installed 3: Confirmation of installation of sub-hoppers and toner cartridges is finished 4: Forcible image quality control finished 5: Forcible image position alignment finished 6: Automatic gamma adjustment (PPC) finished 7: Automatic gamma adjustment (PRT, 600 dpi) finished 8: Automatic gamma adjustment (PRT, 1200 dpi) finished 99: All the unpacking adjustments finished Only 0 to 8 and 99 are available for this code.	1	
08	Setting mode	System	Initialization			9030		Initialization after software version up			SYS	Perform this code when the software in this equipment has been upgraded.	3	Yes
08	Setting mode	System	User interface	Counter installed externally		9037		Job handling-short paid-coin controller	1	0~1	SYS	Sets whether pause or stop the printing job when it is short paid using a coin controller. 0: Pause the job 1: Stop the job	1	Yes
08	Setting mode	System	Maintenance	General		9050		Performing panel calibration			SYS	Performs the calibration of the pressing position on the touch panel (LCD screen). The calibration is performed by pressing 4 reference positions after this code is started up.	1	Yes
08	Setting mode	System	User interface	Screen setting		9051		Panel calibration setting value	0	0~1	SYS	Switches whether the screen for displaying panel calibration setting values is displayed or not. 0: Disabled (screen not displayed) 1: Enabled (screen displayed)	1	Yes
08	Setting mode	System	Maintenance	General		9059		Operation switching at calibration	Refer to contents	0~1	SYS	Switches whether a menu for selecting paper in user calibration (automatic gamma adjustment) is displayed or not. 0: Not displayed 1: Displayed (copy/print) <Default value> MJD/MJC: 1 Others: 0	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System				9060		Destination display at SRAM initialization	Refer to contents	0~255	SYS	0: MJD/MJC 1: NAD/NAC 2: JPC 3: AUD/AUC 4: CND 5: Not defined 6: Not defined 7: Not defined 8: Not defined 9: ASD 10: ARD <Default value> MJD/MJC: 0 NAD/NAC: 1 JPC: 2 AUD: 3 CND: 4 ASD: 9 ARD: 10	2	
08	Setting mode	System	HDD			9065		HDD diagnostic menu display			SYS	Display the HDD information	2	Yes
08	Setting mode	System	HDD			9072		Performing HDD testing			SYS	Checks the bad sector. It may take more than 30 minutes to finish the checking.	3	Yes
08	Setting mode	System	General			9081		Initialization of department management information			SYS	Initializing of the department management information [Enter the code with the digital keys and press the [INITIALIZE] button to perform the initialization. If the area storing the department management information is destroyed for some reason, "Enter Department Code" is displayed on the control panel even if the department management function is not set on. In this case, initialize the area with this code. This area is normally initialized at the factory.	3	
08	Setting mode	System	Initialization			9083		Initialization of NIC information			SYS	Returns the value to the factory shipping default value.	3	Yes
08	Setting mode	System	All clear	LGC-SRAM board		9090		Printer all clear			M	Initializes the SRAM board (for LGC board).	3	Yes
08	Setting mode	System	General			9100		Date and time setting		13 digits	-	Year/month/date/day/hour/minute/second Example:03 07 0 13 13 27 48"Day" - "0" is for "Sunday". Proceeds Monday through Saturday from "1" to "6".	5	
08	Setting mode	System	User interface			9102		Date display format	Refer to contents	0~2	SYS	0: YYYY.MM.DD 1: DD.MM.YYYY 2: MM.DD.YYYY <Default value> MJD/MJC: 1 JPC: 0 Others: 2	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9103		Time differences	Refer to contents	0~47	SYS	0: +12.0h 1: +11.5h 2: +11.0h 3: +10.5h 4: +10.0h 5: +9.5h 6: +9.0h 7: +8.5h 8: +8.0h 9: +7.5h 10: +7.0h 11: +6.5h 12: +6.0h 13: +5.5h 14: +5.0h 15: +4.5h 16: +4.0h 17: +3.5h 18: +3.0h 19: +2.5h 20: +2.0h 21: +1.5h 22: +1.0h 23: +0.5h 24: 0.0h 25: -0.5h 26: -1.0h 27: -1.5h 28: -2.0h 29: -2.5h 30: -3.0h 31: -3.5h 32: -4.0h 33: -4.5h 34: -5.0h 35: -5.5h 36: -6.0h 37: -6.5h 38: -7.0h 39: -7.5h 40: -8.0h 41: -8.5h 42: -9.0h 43: -9.5h 44: -10.0h 45: -10.5h 46: -11.0h 47: -11.5h <Default value> MJD/MJC: 24 NAD/NAC: 40 JPC: 6 Others: 0	1	
08	Setting mode	System	User interface			9110		Auto-clear timer setting	3	0~10	SYS	Timer to return the equipment to the default settings when the [START] button is not pressed after the function and the mode are set 0: Not cleared 1 to 10:Set number x 15 sec.	1	
08	Setting mode	System	User interface			9111		Auto power save mode timer setting	4	0, 4, 6~15	SYS	Timer to automatically switch to the auto power save mode when the equipment has not been used 0: Invalid 4: 1 min. 6: 3 min. 7: 4 min. 8: 5 min. 9: 7 min. 10: 10 min. 11: 15 min. 12: 20 min. 13: 30 min. 14: 45 min. 15: 60 min.	1	Yes
08	Setting mode	System	User interface			9112		Auto Shut Off timer setting (Sleep Mode)	MJD/MJC: 4 Others: 21	0~21	SYS	Timer to automatically switch to the Sleep Mode or power off when the equipment has not been used. 0: 3 min. 1: 5 min. 2: 10 min. 3: 15 min. 4: 20 min. 5: 25 min. 6: 30 min. 7: 40 min. 8: 50 min. 9: 60 min. 10: 70 min. 11: 80 min. 12: 90 min. 13: 100 min. 14: 110 min. 15: 120 min. 16: 150 min. 17: 180 min. 18: 210 min. 19: 240 min. 20: Invalid 21: 1 min.	1	Yes
08	Setting mode	System	User interface	Energy save		9113		Screen setting for automatic energy saver / automatic power OFF	Refer to contents	0~1	SYS	0: OFF 1: ON <Default value> MJD/MJC, NAD/NAC, JPC: 1 Others: 0	1	Yes
08	Setting mode	System	User interface	General		9116		Black-free function	0	0~1	SYS	0: Disabled 1: Enabled When "1" (enabled) is set at this code, "1" (black) is automatically set at the code 08-9979. In this case "0" (ACS) and "2" (full color) are not selectable for 08-9979. When "0" (OFF) is set at 08-9120 and "1" (ON) is set at 08-9264, the value for this code becomes "0" (disabled) automatically ("1" is not selectable). When the value of 08-6084 is "1" (Quota type = Job Quota), the value of this code cannot be set to "1".	1	Yes
08	Setting mode	System	General			9117		Raw printing job Do not Print Blank Pages	0	0~1	SYS	0: OFF1: ON	1	
08	Setting mode	System	User interface	Department setting		9120		Department setting	0	0~1	SYS	0: Invalid 1: Valid	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Department setting		9121		Print setting without department/registration code	1	0~2	SYS	0: Printed forcibly 1: Not printed 2: Deleted forcibly	1	Yes
08	Setting mode	System	User interface	Department setting		9122		Copy	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9123		FAX	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9124		Printer/e-Filing	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9125		Scanning	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9126		List print	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Counter			9128		Counting method in Twin Color Mode	0	0~2	SYS	Sets the counting method of fee charging or duplexing count in the Twin Color Mode. 0: Count as Twin Color Mode 1: Count as Black Mode 2: Count as Full Color Mode	1	
08	Setting mode	System	User interface	Counter installed externally		9129		Duplex print setting when coin controller is used	1	0~1	SYS	Sets whether duplex printing is allowed or not (only permitting single printing) when a coin controller is used. 0: Invalid (printing only one side) 1: Valid (printing both sides)	1	Yes
08	Setting mode	System	User interface			9130		Highlighting display on LCD	0	0~1	SYS	0: Black letter on white background 1: White letter on black background	1	
08	Setting mode	System	User interface	Default mode setting	Default setting	9132		Default setting of screen (Function)	0	0~99	SYS	Sets the screen to be displayed after the auto-clear time has passed or it has recovered from the energy saving mode or sleep mode. 0: Copier 1: Fax 2: Scan 3: Box 4: Print 5: Template 6: Menu 7: Job status 99: EWB * Only 0 to 7, and 99 can be entered.	1	Yes
08	Setting mode	System	User interface			9133		Default setting for APS/AMS	0	0~2	SYS	0: APS (Automatic Paper Selection) 1: AMS (Automatic Magnification Selection) 2: Not selected	1	
08	Setting mode	System	User interface	Default setting of RADF mode		9134		Default setting	0	0~1	SYS	0: Continuous feeding (by pressing the [START] button) 1: Single feeding (by setting original on the tray)	1	Yes
08	Setting mode	System	User interface			9135		Book type original priority	0	0~1	SYS	0: Left page to right page 1: Right page to left page	1	
08	Setting mode	System	User interface			9136		Maximum number of copy volume	0	0~3	SYS	0: 9999 1: 999 2: 99 3: 9	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Default mode setting	Default setting	9137		Setting for automatic duplexing mode	0	0~3	SYS	0: Invalid 1: Single-sided to duplex copying 2: Two-sided to duplex copying 3: User selection	1	Yes
08	Setting mode	System	User interface			9140		Paper size selection for [OTHER] button	Refer to contents		SYS	Press the icon on the LCD to select the size. <Default value> NAD/NAC: COMP JPC: A5-R Others: FOLIO	9	
08	Setting mode	System	User interface	Default setting of RADF mode		9142		Default setting of RADF original size	0	0~1	SYS	0: Same size originals 1: Mixed size originals	1	Yes
08	Setting mode	System	Feeding system/Paper transport			9143		Time lag before auto-start of bypass feeding	4	0~10	SYS	Sets the time taken to add paper feeding when paper in the bypass tray has run out during the bypass feed copying. 0: Paper is not drawn in unless the [START] button is pressed. 1-10: Setting value x 0.5sec.	1	
08	Setting mode	System	User interface			9144		Blank copying prevention mode during RADF jamming	0	0~1	SYS	0: OFF 1: ON (Start printing when the scanning of each page is finished)	1	
08	Setting mode	System	User interface	Rotation printing		9146		Rotation printing at the non-sorting	0	0~1	SYS	0: Not rotating 1: Rotating	1	Yes
08	Setting mode	System	User interface			9147		Direction priority of original image	0	0~1	SYS	0: Automatic 1: Portrait	1	
08	Setting mode	System	User interface			9148		Inner receiving tray priority at Non-sort Mode	0	0~1	SYS	0: Normal 1: Inner receiving tray	1	
08	Setting mode	System	User interface			9149		Width setting for image shift copying (linkage of front side and back side)	0	0~1	SYS	0: ON 1: OFF	1	
08	Setting mode	System	User interface			9150		Automatic Sorting Mode setting (RADF)	2	0~4	SYS	0: Invalid 1: STAPLE 2: SORT 3: GROUP 4: ROTATE SORT	1	
08	Setting mode	System	User interface			9151		Default setting of Sorter Mode	0	0~4	SYS	0: NON-SORT 1: STAPLE 2: SORT 3: GROUP 4: ROTATE SORT	1	
08	Setting mode	System	User interface			9152		Correction of reproduction ratio in editing copy	10	0~10	SYS	Sets the reproduction ratio for the "X in 1" printing (including magazine sort) to the "Reproduction ratio x Correction ratio". 0: 90% 1: 91% 2: 92% 3: 93% 4: 94% 5: 95% 6: 96% 7: 97% 8: 98% 9: 99% 10: 100%	1	
08	Setting mode	System	User interface			9153		Image position in editing	2	0~3	SYS	Sets the page pasted position for "X in 1" to the upper left corner/center. 0: Cornering (PPC)/Cornering (PRT) 1: Centering (PPC)/Cornering (PRT) 2: Cornering (PPC)/Centering (PRT) 3: Centering (PPC)/Centering (PRT)	1	
08	Setting mode	System	User interface			9155		Magazine sort setting	0	0~1	SYS	0: Left page to right page 1: Right page to left page	1	
08	Setting mode	System	User interface			9156		2 in 1/4 in 1 page allocating order setting	0	0~1	SYS	0: Horizontal 1: Vertical	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9157		Printing format setting for Time Stamp and Page Number	0	0~1	SYS	0: Hyphen OFF 1: Hyphen ON Hyphen printing format ON: -1- OFF: 1	1	
08	Setting mode	System	User interface	Cascade operation setting	PPC/FAX	9158	0	Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	User interface	Cascade operation setting	PPC/FAX	9158	1	Operation setting	0	0~1	SYS	0: Once 1: Circulation (Loop)	4	
08	Setting mode	System	User interface	Cascade operation setting	PRINTER/BOX	9159	0	Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	User interface	Cascade operation setting	PRINTER/BOX	9159	1	Operation setting	0	0~1	SYS	0: Once 1: Circulation (Loop)	4	
08	Setting mode	System	User interface			9163		Default setting of printing direction for Time Stamp and Page Number	0	0~1	SYS	0: Short edge 1: Long edge	1	
08	Setting mode	System	User interface	Paper Feed		9164		Auto-start setting for bypass feed printing	0	0~1	SYS	Sets whether or not feeding a paper automatically into the copier when it is placed on the bypass tray. 0: OFF (Press the [START] button to start feeding.) 1: ON (Automatic feeding)	1	Yes
08	Setting mode	System	User interface			9165		Auto-start setting for bypass feed printing (Local)	1	0~1	SYS	Sets whether or not feeding a paper automatically into the copier when it is placed on the bypass tray. 0: OFF (Press the [START] button to start feeding.) 1: ON (Automatic feeding)	1	
08	Setting mode	System	User interface			9178		Color 1 at twin color selection (Select what color black in original is copied)	0	0~6	SYS	0: K 1: Y 2: M 3: C 4: R 5: G 6: B	1	
08	Setting mode	System	User interface			9179		Color 2 at twin color selection (Select what color other than black in original is copied)	4	0~6	SYS	0: K 1: Y 2: M 3: C 4: R 5: G 6: B	1	
08	Setting mode	System	Option	FAX		9183		Adaptation of paper source	0	0~1	SYS	0: Not subjected for APS judgment 1: Subjected for APS judgment	1	Yes
08	Setting mode	System	User interface			9184		Centering printing of primary/secondary direction at AMS	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface	Feeding paper media		9185	0	Copier	15	1~15	SYS	Sets a media type for a drawer selected with APS function or drawer buttons for the copier function. Values are selectable from 1 to 15 (decimal number). When "0" is entered, the media is not available for feeding. When "1" is entered, it is available for feeding for each bit value. Bit0: Plain paper Bit1: Recycled paper Bit2: Plain paper 1 Bit3: Plain paper 2	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Feeding paper media		9185	1	Printer/Box	13	1~15	SYS	Sets a media type for print data originally set for plain paper in the printer function or e-Filing box printing. This setting is used for drawer searching or media-type inconsistency judgment and will not be affected to print data for plain papers 1 and 2 or other media types. Values are selectable among 1, 4, 5, 8, 9, 12 and 13 (decimal number). When "0" is entered, the media is not available for feeding. When "1" is entered, it is available for feeding for each bit value. Bit0: Plain paper Bit1: N/A (Always set "0".) Bit2: Plain paper 1 Bit3: Plain paper 2	4	
08	Setting mode	System	Network	Retention period		9193		Web data retention period	10	3 digits	SYS	When a certain period of time has passed without operation after accessing TopAccess, the data being registered is automatically reset. This period is set at this code. (Unit: minute)	1	Yes
08	Setting mode	System	Cleaner			9199		Automatic interruption page number setting for printing	500	0~9999	SYS	Sets the number of pages to interrupt printing automatically. If "1" or more is set to this code, printing is interrupted at the set value. If "0" is set, printing is not interrupted automatically. By the combination of this code and 08-2509, performing image quality control is possible while processing jobs. Even if the number of jobs exceeds the set value of 08-2509, image quality control can be performed around the set value of 08-2509 by interrupting printing automatically with this code, and the change of image density can be suppressed. However, image problems may occur if the value extremely smaller than the default value is set to the equipment whose print ratio of monochrome is relatively high. (unit: pages)	1	
08	Setting mode	System	Network	Retention period		9200		File retention period	30	0~999	SYS	0: No limits 1 to 999: 1 to 999 days	1	Yes
08	Setting mode	System	Network	E-mail		9201		Max. size in email/InternetFAX transmission	30	2~100	SYS	2 to 100 MB	1	Yes
08	Setting mode	System	Electronic Filing			9203		e-Filing document guarantee mode	1	0~1	SYS	Sets the file retention level during edition in e-Filing (when the document cut/save command is used) 0: Not retained (Documents could be lost due to We session timeout / electricity cutoff during document cut/save.) 1: Full retained - Documents are retained until cut/save command completion. When "1" is set, documents are not lost even if disk full occurs during command execution.	1	
08	Setting mode	System	User interface			9204		Binarizing level selection (When judging as black in the ACS Mode)	3	1~5	SYS	0: Step -2 1: Step -1 2: Step 0 (center) 3: Step 1 4: Step 2 The binarizing level of each step is set at 08-9230.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Electronic Filing			9207		Default setting of user box retention period	0	0~999	SYS	Sets the data retention period when creating a user box.0: Not deleted 1 to 999: Retention period (Unit: Day)	1	
08	Setting mode	System	HDD			9208		Warning notification-File Share/e-Filing	90	0~100	SYS	Sets the percentage of HDD partition filled when warning notification is sent. 0 to 100: 0 to 100% * Checks the remaining amount of HDD with the searching interval set at 08-9225.	1	Yes
08	Setting mode	System	Scanning			9209		Notification setting of E-mail saving time limit	3	0~99	SYS	Sets the days left the notification of E-mail saving time limit appears 0 to 99: 0 to 99 days	1	
08	Setting mode	System	Scanning			9210		Default setting of partial size when transmitting E-mail	0	0~6	SYS	Sets the default value for the partial size of E-mail to be transmitted when creating a template. 0: Not divided 1: 64 2: 128 3: 256 4: 512 5:1024 6: 2048 (Unit: KB)	1	
08	Setting mode	System	Option	FAX		9211		Default setting of page by page-I FAX	0	0~4	SYS	Sets the default value for the page by page of Internet FAX to be transmitted when creating a template. 0: Not divided 1: 256 2: 512 3: 1024 4: 2048 (Unit: KB)	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9213		Default set of density adjust (Black)	0	0~11	SYS	0: Automatic density 1: Step -5 2: Step -4 3: Step -3 4: Step -2 5: Step -1 6: Step 0 (center) 7: Step +1 8: Step +2 9: Step +3 10: Step +4 11: Step +5 (1 to 11: Manual density)	1	Yes
08	Setting mode	System	User interface			9214		Default setting of background adjustment (Full Color)	5	1~9	SYS	1: Step -4 2: Step -3 3: Step -2 4: Step -1 5: Step 0 (center) 6: Step +1 7: Step +2 8: Step +3 9: Step +4	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9215		Color mode	0	0~4	SYS	0: Black 1: Gray Scale 2: Unused 3: Full Color 4: Auto Color	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9216		Full Color	2	0~5	SYS	0: 100 dpi 1: 150 dpi 2: 200 dpi 3: 300 dpi 4: 400 dpi 5: 600 dpi	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9217		Gray Scale	2	0~5	SYS	0: 100 dpi 1: 150 dpi 2: 200 dpi 3: 300 dpi 4: 400 dpi 5: 600 dpi	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9218		Black	1	0~5	SYS	0: 150 dpi 1: 200 dpi 2: 300 dpi 3: 400 dpi 4: 600 dpi 5: 100 dpi	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9219		Original mode (Full color)	0	0~3	SYS	0: Text 1: Photo 2: Print 3: Custom (Valid only when a setting other than "0" is set for 08-8303)	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9220		Original mode (Black)	0	0~3	SYS	0: Text 1: Text/Photo 2: Photo 3: Custom The value other than "0" needs to be set for 08-7401 to select "3: Custom."	1	Yes
08	Setting mode	System	User interface			9221		Default setting of scanning mode	0	0~2	SYS	0: Single 1: Book 2: Tablet	1	
08	Setting mode	System	User interface			9222		Default setting of rotation mode	0	0~3	SYS	0: 0 degree 1: 90 degrees 2: 180 degrees 3: 270 degrees	1	
08	Setting mode	System	User interface			9223		Default setting of original paper size	0	0~22	SYS	0: Automatic 1: A3 2: A4 3: LD 4: LT 5: A4-R 6: A5-R 7: LT-R 8: LG 9: B4 10: B5 11: ST-R 12: COMP 13: B5-R 14: FOLIO 15: 13"LG 16: 8.5"x 8.5" 18: A6-R 19: Size mixed 20: 8K 21: 16K 22: 16K-R	1	
08	Setting mode	System	General			9225		Searching interval of deleting expired files and checking capacity of HDD partitions	12	1~24	SYS	Sets the search interval of deleting expired files and checking capacity of HDD partitions. (Unit: Hour) Related code 08-9208	1	
08	Setting mode	System	User interface			9226		Default setting of background adjustment (Gray Scale)	5	1~9	SYS	1: Step -4 2: Step -3 3: Step -2 4: Step -1 5: Step 0 (center) 6: Step +1 7: Step +2 8: Step +3 9: Step +4	1	
08	Setting mode	System	User interface	Default setting of filing format	E-mail	9227		Black	1	0~8	SYS	0: TIFF (Multi) 1: PDF (Multi) 3: TIFF (Single) 4: PDF (Single) 5: XPS (Multi) 6: XPS (Single) 7: PDF/A(Multi) 8: PDF/A(Single)	1	Yes
08	Setting mode	System	User interface	Default setting of filing format	Storing files	9228		Color/ACS	1	0~10	SYS	0: TIFF (Multi) 1: PDF (Multi) 2: JPG 3: TIFF (Single) 4: PDF (Single) 5: SLIM PDF (Multi) 6: SLIM PDF (Single) 7: XPS (Multi) 8: XPS (Single) 9: PDF/A(Multi) 10: PDF/A(Single)	1	Yes
08	Setting mode	System	User interface	Default setting of filing format	Storing files	9229		Black	Refer to contents	0~8	SYS	0: TIFF (Multi) 1: PDF (Multi) 3: TIFF (Single) 4: PDF (Single) 5: XPS (Multi) 6: XPS (Single) 7: PDF/A(Multi) 8: PDF/A(Single) <Default value> MJD: 1 Others: 0	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Image	Binarizing level setting (When judging as black in the ACS Mode)		9230	0	Step -2	115	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting (When judging as black in the ACS Mode)		9230	1	Step -1	145	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting (When judging as black in the ACS Mode)		9230	2	Step 0 (center)	175	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting (When judging as black in the ACS Mode)		9230	3	Step +1	205	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting (When judging as black in the ACS Mode)		9230	4	Step +2	235	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Scanning			9233		Equipment name and user name setting to a folder when saving files	0	0~2	SYS	Sets whether or not adding the equipment name and user name to the folder when saving files. 0: Not add 1: Add the equipment name 2: Add the user name	1	
08	Setting mode	System	User interface			9236		Default setting of print screen	1	1~4	SYS	1: Private print screen (Job list of log-in user is displayed if user authentication is enabled.) 2: Hold print screen (Job list of log-in user is displayed if user authentication is enabled.) 3: Private print screen (If the private print screen is displayed when user authentication is enabled, user list is displayed if user logs in as GUEST, and job list of log-in user is displayed if user logs in as general user.) 4: Hold print screen (If the private print screen is displayed when user authentication is enabled, user list is displayed if user logs in as GUEST, and job list of log-in user is displayed if user logs in as general user.) * If user data department management (08-9264) is changed from OFF to ON, the value in this code changes from "1" to "2", and "3" to "4". The value does not change if it is "2" or "4". Reset this value as necessary when changing user data department management (08-9264) from OFF to ON.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Data overwrite kit			9240		Data clearing type setting	3	0~3	SYS	Select the type of the overwriting level for deleting HDD data. (This setting is enabled only when the GP-1070 is installed.) 0: LOW Standard overwriting method. 1: MEDIUM More secure overwriting method than LOW. The overwriting time is between LOW and HIGH. 2: HIGH The most secure overwriting method. The overwriting time is the longest. 3: SIMPLE Simple overwriting method. The time for overwriting is the shortest.	1	
08	Setting mode	System	Feeding system/Paper transport			9248		Tab paper / Inserter paper automatic feeding setting (Remote)	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface			9250		Image setting for Electronic Filing printing (Only for color image)	0	0~3	SYS	0: General 1: Photograph 2: Presentation 3: Line art	1	
08	Setting mode	System	User interface			9251		Access code entry for Electronic Filing printing	0	0~1	SYS	0: Renewed automatically 1: Enter every time	1	
08	Setting mode	System	User interface			9252		Clearing timing for files and Electronic Filing Agent	1	0~1	SYS	0: Immediately after the completion of scanning 1: Cleared by Auto Clear	1	
08	Setting mode	System	Feeding system/Paper transport			9253		Setting of paper size switching to 13" LG	0	0~2	SYS	0: Not switched 1: LG -> 13"LG 2: FOLIO -> 13"LG	1	
08	Setting mode	System	Option	FAX		9254		Mixed width of paper	0	0~1	SYS	When the width of paper is different at fax transmission, set the value of this code to "1". When the value is set to "1", the scanning performance at fax transmission decreases due to switchback. 0: Mixed width of paper is disabled 1: Mixed width of paper is enabled	1	
08	Setting mode	System	Option	FAX		9255		FOLIO/A4-R judgment when mixed width of paper is enabled	0	0~1	SYS	This code is effective when the value of 08-9254 is "1". When the value of this code is "0", the paper size is judged by performing switchback. When the value of this code is "1" and the paper size is AB-series, FOLIO is judged as A4-R and switchback is not performed. When the paper size is LT-series, the switchback is always performed. When the value of this code is set to "1", the scanning performance increases at fax transmission. However, the whole image cannot be output since FOLIO is judged as A4-R. 0: Judgment is enabled 1: Judgment is disabled	1	
08	Setting mode	System	User interface			9261		Maximum number of time job build performed	1000	5~1000	SYS	Sets the maximum number of time a job build has been performed. 5-1000: 5 to 1000 times	1	
08	Setting mode	System	General			9264		User data department management	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Feeding system/Paper transport			9267		Detection method of 13" LG for single-size document	0	0~1	SYS	0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Option	FAX		9268		Inbound FAX function (Forwarding by TSI)	1	0~1	SYS	0: OFF (Function disabled) 1: ON (Function enabled)	1	Yes
08	Setting mode	System	Option	FAX		9269		Tab/cover sheet-FAX Printing stop function	0	0~1	SYS	Sets ON or OFF of the printing function of special sheets such as tab or cover sheet of FAX, Email or list print. 0: Function OFF 1: Function ON	1	Yes
08	Setting mode	System	Network			9271		Authentication method of "Scan to Email"	0	0~2	SYS	0: Disabled 1: SMTP authentication 2: LDAP authentication	1	
08	Setting mode	System	Network			9272		Setting whether use of the Internet FAX is permitted at the time of authentication	0	0~1	SYS	0: Not permitted 1: Permitted	1	
08	Setting mode	System	Network			9274		"From" address assignment method at the time of authentication	0	0~2	SYS	0: User name + @ + Domain name 1: LDAP searching 2: Use the address registered at "From" field of E-mail setting	1	
08	Setting mode	System	Network			9276		Setting for "From" address edit at "Scan to Email"	0	0~1	SYS	0: Not permitted 1: Permitted	1	
08	Setting mode	System	Network			9278		E-mail domain name			SYS	96 + 2 (delimiter) character ASCII sequence only	11	
08	Setting mode	System	User interface	Sound		9280		Error sound	1	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		9281		Sound setting -- Energy Saving	Refer to contents	0~1	SYS	0: OFF 1: ON <Default value> JPC: 0 Others: 1	1	Yes
08	Setting mode	System	General			9288		User data management limitation setting (Color)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9289		User data management limitation Setting by number of printouts (Color)	0	7 digits	SYS	0-9,999,999: 0-9,999,999 sheets	1	
08	Setting mode	System	General			9290		Default screen for the entry of Japanese characters	1	0~4	SYS	0: Roman 1: Hiragana 2: Katakana 3: Alphabet 4: Symbol	1	
08	Setting mode	System	General			9291		JPD Only	0	0~1	SYS	JPD Only	1	
08	Setting mode	System	General			9293		User authentication method	0	0~2	SYS	0: Local authentication 1: Windows domain authentication 2: LDAP authentication	1	
08	Setting mode	System	General			9294		Automatic user registration for external authentication	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9295		User data management limitation setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9296		User data management limitation Setting by number of printouts	0	7 digits	SYS	0-9,999,999: 0-9,999,999 sheets	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9298		Restriction on Address book operation by administrator	0	0~1	SYS	Some restrictions can be given on the administrator for operating the Address book. 0: No restriction 1: Can be operated only under the administrator's authorization	1	
08	Setting mode	System	Network			9299		Restriction on "To" ("cc") address	0	0~3	SYS	0: No restriction 1: Can be set from both of the Address book and LDAP server 2: Can be set only from the Address book 3: Can be set only from the LDAP server	1	
08	Setting mode	System	Paper feeding			9300		1st drawer Paper	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9301		2nd drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9302		3rd drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9303		4th drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9304		T-LCF Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9305		Bypass tray Paper information	0	0~135	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 4: OHP film 5: Thick paper 4 6: Special paper 1 7: Special paper 2 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 16: OHP film 129: Thick paper 1 (back) 130: Thick paper 2 (back) 131: Thick paper 3 (back) 132: Thick paper 4 (back) 134: Special paper 1 (back) 135: Special paper 2 (back)	1	
08	Setting mode	System	Feeding system/Paper transport			9306		LT ↔ A4/LD ↔ A3	0	0~1	SYS	Sets to whether to print a document in a different paper size from the one selected if there is no drawer which has the same size setting. 0: Enabled Prints a document specified in an LT/LD size with an A4/A3 one, or vice versa. 1: Disabled: Sets to display a message notifying that the same paper size as the one selected should be used.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Print	Retention period	9307		Storage period at trail and private	14	0~53	SYS	0: No limits 1 to 30: 1 to 30 days 31: 1 hour 32: 2 hours 33: 4 hours 34: 8 hours 35: 12 hours 50: 5 min. 51: 10 min. 52: 15 min. 53: 30 min.	1	Yes
08	Setting mode	System	Network			9308		Raw printing job (Duplex)	1	0~1	SYS	0: Valid 1: Invalid	1	
08	Setting mode	System	Network			9309		Raw printing job (Paper size)	Refer to contents	0~13	SYS	0: LD 1: LG 2: LT 3: COMP 4: ST 5: A3 6: A4 7: A5 8: A6 9: B4 10: B5 11: FOLIO 12: 13"LG 13: 8.5" x 8.5" <Default value> NAD/NAC: 2 Others: 6	1	
08	Setting mode	System	Network			9310		Raw printing job(Paper type)	0	0~7	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 4: OHP film 5: Thick paper 4 7: Recycled paper	1	
08	Setting mode	System	Network			9311		Raw printing job (Paper direction)	0	0~1	SYS	0: Portrait 1: Landscape	1	
08	Setting mode	System	Network			9312		Raw printing job (Staple)	1	0~1	SYS	0: Valid 1: Invalid	1	
08	Setting mode	System	Network			9313		Raw printing job (Exit tray)	0	0~6	SYS	0: Inner Tray 1: Finisher Tray1 2: Finisher Tray2 3: Unused 4: Job Separator Upper 5: Job Separator Lower 6: Exit Tray	1	
08	Setting mode	System	Network			9314		Raw printing job (Number of form lines)	1200	500~12800	SYS	Sets the number of form lines from 5 to 128. (A hundredfold of the number of form lines is defined as the setting value.)	1	
08	Setting mode	System	Network			9315		Raw printing job (PCL font pitch)	1000	44~9999	SYS	Sets the font pitch from 0.44 to 99.99. (A hundredfold of the font pitch is defined as the setting value.)	1	
08	Setting mode	System	Network			9316		Raw printing job (PCL font size)	1200	400~99975	SYS	Sets the font size from 4 to 999.75.(A hundredfold of the font size is defined as the setting value.)	1	
08	Setting mode	System	Network			9317		Raw printing job (PCL font number)	0	0~9999	SYS	Sets the PCL font number.	1	
08	Setting mode	System	Feeding system/Paper transport			9318		Memory 1 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 1].	10	
08	Setting mode	System	Feeding system/Paper transport			9319		Memory 2 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 2].	10	
08	Setting mode	System	Feeding system/Paper transport			9320		Memory 3 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 3].	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Feeding system/Paper transport			9321		Memory 4 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 4].	10	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	0	1st drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	1	2nd drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	2	3rd drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	3	4th drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	4	LCF	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	User interface	Sound		9325		Key touch sound of control panel	1	0~1	SYS	0: OFF 1: ON	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Screen setting		9326		Size indicator	0	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	General			9327		Setting of banner advertising display	0	0~1	SYS	Sets whether or not displaying the banner advertising. The setting contents of 08-9328 and 08-9329 are displayed at the time display section on the right top of the screen. When both are set, each content is displayed alternately. 0: Not displayed 1: Displayed	1	
08	Setting mode	System	General			9328		Banner advertising display 1			SYS	Maximum 27 letters (one-byte character)	11	
08	Setting mode	System	General			9329		Banner advertising display 2			SYS	Maximum 27 letters (one-byte character)	11	
08	Setting mode	System	General			9330		Display of [BANNER MESSAGE] button	0	0~1	SYS	0: Not displayed 1: Displayed This button enables the entry of "Banner advertising display 1 (08-9328)" and "Banner advertising display 2 (08-9329)" on the control panel.	1	
08	Setting mode	System	Network			9331		Local I/F time-out period	6	1~50	SYS	Sets the period of time when the job is judged as completed in local I/F printing (USB or parallel). 1: 1.0 sec. 2: 1.5 sec. 50: 25.5 sec. (in increments of 0.5 sec.)	1	
08	Setting mode	System	User interface			9332		Original counter display	Refer to contents	0, 2, 4	SYS	Sets whether the original counter is displayed or not. 0: Not displayed 2: Displayed 4: Displayed (Double sized original is counted as 2.) <Default value> MJD/MJC: 2 Others: 0	1	
08	Setting mode	System	Network			9334		PCL line feed code setting	0	0~3	SYS	Sets the PCL line feed code. 0: Automatic setting 1: CR=CR, LF=LF 2: CR=CR+LF, LF=LF 3: CR=CR, LF=CR+LF	1	
08	Setting mode	System	Feeding system/Paper transport			9336		Default setting of drawers (Printer/BOX)	6	1~6	SYS	1: T-LCF 2: 1st drawer 3: 2nd drawer 4: 3rd drawer 5: 4th drawer 6: O-LCF	1	
08	Setting mode	System	User interface			9337		Restriction of the template function with the administrator privilege	0	0~1	SYS	Selects the restriction of the template function usage setting. 0: No restriction 1: Only available with the administrator privilege.	1	
08	Setting mode	System	Network			9338		Raw printing job (Paper feeding drawer)	0	0~6	SYS	0: AUTO 1: 1st drawer 2: 2nd drawer 3: 3rd drawer 4: 4th drawer 5: T-LCF 6: O-LCF	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9339		Raw printing job (PCL symbol set)	0	0~39	SYS	0: Roman-8 1: ISO 8859/1 Latin 1 2: ISO 8859/2 Latin 2 3: ISO 8859/9 Latin 5 4: PC-8, Code Page 437 5: PC-8 D/N, Danish/Norwegian 6: PC-850, Multilingual 7: PC-852, Latin2 8: PC-8 Turkish 9: Windows 3.1 Latin 1 10: Windows 3.1 Latin 2 11: Windows 3.1 Latin 5 12: DeskTop 13: PS Text 14: Ventura International 15: Ventura US 16: Microsoft Publishing 17: Math-8 18: PS Math 19: Ventura Math 20: Pi Font 21: Legal 22: ISO 4: United Kingdom 23: ISO 6: ASCII 24: ISO 11 25: ISO 15: Italian 26: ISO 17 27: ISO 21: German 28: ISO 60: Danish/Norwegian 29: ISO 69: French 30: Windows 3.0 Latin 1 31: MC Text 32: PC Cyrillic 33: ITC Zapf Dingbats 34: ISO 8859/10 Latin 6 35: PC-775 36: PC-1004 37: Symbol 38: Windows Baltic 39: Wingdings	1	
08	Setting mode	System	User interface	Binding margin setting		9341	0	Left binding front (Right binding back)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	1	Left binding back (Right binding front)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	2	Top binding front (Bottom binding back)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	3	Top binding back (Bottom binding front)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9342		Book binding	14	0~30	SYS	Sets the binding margin displayed as default on the setting screen for the book binding function when copying.	1	
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	Auto	9343		Printing/BOX printing	1	1~2	SYS	Sets whether the drawer is changed automatically if the paper runs out in the selected drawer and the paper of the same size is in other drawer. 1: ON (Changes to the drawer with the same paper direction and size: ex. A4 to A4) 2: ON (Changes to the drawer with the same paper size. Paper with the different direction is acceptable as long as the size is the same: ex., A4 to A4-R, LT-R to LT. "1" is applied when the staple/hole punch is specified.)	1	Yes
08	Setting mode	System	Network			9344		Private-print-only mode	0	0~3	SYS	0: Normal 1: Private-print-only mode 2: Hold-print-only mode 3: Private/Hold-print only mode	1	
08	Setting mode	System	Feeding system/Paper transport			9347		O-LCF Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	User interface			9352		Display of paper size setting by installation operation of drawers	Refer to contents	0~1	SYS	0: Not displayed 1: Displayed <Default value> MJD/MJC, JPC: 0 Others: 1	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9357		Enhanced bold for PCL6	0	0~1	SYS	0: OFF 1: ON(Enhanced bold for PCL6.)	1	
08	Setting mode	System	User interface	Paper Feed		9359		Printing resume after jam releasing	1	0~1	SYS	0: Auto resume 1: Resume by users	1	Yes
08	Setting mode	System	General	Available profile display		9361	0	BP_OP_00.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	1	BP_OP_01.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	2	BP_OP_02.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	3	BP_OP_03.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	4	BP_OP_04.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	5	BP_OP_05.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	6	BP_OP_06.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	7	BP_OP_07.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	8	BP_OP_08.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	9	BP_OP_09.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	10	BP_OP_10.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	11	BP_OP_11.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	12	BP_OP_12.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	13	BP_OP_13.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	14	BP_OP_14.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	15	BP_OP_15.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	16	BP_OP_16.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	17	BP_OP_17.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	18	BP_OP_18.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	19	BP_OP_19.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	20	BP_OP_20.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	21	BP_OP_21.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	22	BP_OP_22.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	23	BP_OP_23.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	24	BP_OP_24.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	25	BP_OP_25.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	26	BP_OP_26.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	27	BP_OP_27.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	28	BP_OP_28.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	29	BP_OP_29.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	30	BP_OP_30.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	31	BP_OP_31.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	32	BP_OP_32.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	33	BP_OP_33.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	34	BP_OP_34.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	35	BP_OP_35.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	36	BP_OP_36.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	37	BP_OP_37.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	38	BP_OP_38.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	39	BP_OP_39.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	40	BP_OP_40.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	41	BP_OP_41.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	42	BP_OP_42.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	43	BP_OP_43.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	44	BP_OP_44.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	45	BP_OP_45.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	46	BP_OP_46.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	47	BP_OP_47.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	48	BP_OP_48.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	49	BP_OP_49.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	50	BP_OP_50.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	51	BP_OP_51.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	52	BP_OP_52.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	53	BP_OP_53.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General			9362		Recovery of the profile at the shipment	0	0~53	SYS	Recovers the default Output Profile and PG CIEBasedPureGrayTRC (PG CIEBasedPureGrayTRC in the same sub-code is recovered to the default.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General			9363		Copying the profile at the shipment to USB memory	0	0~53	SYS	Copies the default Output Profile and PG CIEBasedPureGrayTRC to the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9364		Uploading the profile at the shipment from UBS memory	0	0-53	SYS	Uploads the default Output Profile and PG CIEBasedPureGrayTRC from the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	0	BP_OP_00.000			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	1	BP_OP_00.001			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	2	BP_OP_00.002			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	3	BP_OP_00.003			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	4	BP_OP_00.004			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	5	BP_OP_00.005			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	6	BP_OP_00.006			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	7	BP_OP_00.007			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	8	BP_OP_00.008			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	9	BP_OP_00.009			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	10	BP_OP_00.010			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	11	BP_OP_00.011			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	12	BP_OP_00.012			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	13	BP_OP_00.013			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	14	BP_OP_00.014			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	15	BP_OP_00.015			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	16	BP_OP_00.016			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	17	BP_OP_00.017			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	18	BP_OP_00.018			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	19	BP_OP_00.019			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	20	BP_OP_00.020			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	21	BP_OP_00.021			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	22	BP_OP_00.022			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	23	BP_OP_00.023			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	24	BP_OP_00.024			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	25	BP_OP_00.025			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	26	BP_OP_00.026			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	27	BP_OP_00.027			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	28	BP_OP_00.028			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	29	BP_OP_00.029			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	30	BP_OP_00.030			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	31	BP_OP_00.031			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	32	BP_OP_00.032			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	33	BP_OP_00.033			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	34	BP_OP_00.034			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	35	BP_OP_00.035			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	36	BP_OP_00.036			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	37	BP_OP_00.037			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	38	BP_OP_00.038			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	39	BP_OP_00.039			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	40	BP_OP_00.040			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	41	BP_OP_00.041			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	42	BP_OP_00.042			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	43	BP_OP_00.043			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	44	BP_OP_00.044			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	45	BP_OP_00.045			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	46	BP_OP_00.046			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	47	BP_OP_00.047			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	48	BP_OP_00.048			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	49	BP_OP_00.049			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	50	BP_OP_00.050			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	51	BP_OP_00.051			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	52	BP_OP_00.052			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	53	BP_OP_00.053			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General			9366		Making the profile available	0	0~53	SYS	Selecting a profile Overwrites the adjusted Output Profile on the current area (PG CIEBasedPureGrayTRC in the same sub-code is replaced with the adjusted profile at the same time.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9367		Copying the adjusted profile to USB memory	0	0-53	SYS	Copies the adjusted Output Profile and PG CIEBasedPureGrayTRC to the USB memory. (PG CIEBasedPureGrayTRC in the same sub-code is copied to the USB memory at the same time.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General			9368		Uploading the adjusted profile from USB memory	0	0-53	SYS	Uploads the Output Profile and PG CIEBasedPureGrayTRC from the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	0	BP_OP_00.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	1	BP_OP_01.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	2	BP_OP_02.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	3	BP_OP_03.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	4	BP_OP_04.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	5	BP_OP_05.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	6	BP_OP_06.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	7	BP_OP_07.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	8	BP_OP_08.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	9	BP_OP_09.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	10	BP_OP_10.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	11	BP_OP_11.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	12	BP_OP_12.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	13	BP_OP_13.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	14	BP_OP_14.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	15	BP_OP_15.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	16	BP_OP_16.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	17	BP_OP_17.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	18	BP_OP_18.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	19	BP_OP_19.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	20	BP_OP_20.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	21	BP_OP_21.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	22	BP_OP_22.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	23	BP_OP_23.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	24	BP_OP_24.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	25	BP_OP_25.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	26	BP_OP_26.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	27	BP_OP_27.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	28	BP_OP_28.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	29	BP_OP_29.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	30	BP_OP_30.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	31	BP_OP_31.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	32	BP_OP_32.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	33	BP_OP_33.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	34	BP_OP_34.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	35	BP_OP_35.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	36	BP_OP_36.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	37	BP_OP_37.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	38	BP_OP_38.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	39	BP_OP_39.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	40	BP_OP_40.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	41	BP_OP_41.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	42	BP_OP_42.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	43	BP_OP_43.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	44	BP_OP_44.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	45	BP_OP_45.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	46	BP_OP_46.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	47	BP_OP_47.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	48	BP_OP_48.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	49	BP_OP_49.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	50	BP_OP_50.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	51	BP_OP_51.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	52	BP_OP_52.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	53	BP_OP_53.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9379		AES data encryption function setting (Except for CND)	0	0~2	SYS	0: Encryption invalid 1: Encryption valid (Security priority) Encrypts all of the user's data. 2: Encryption valid (Performance priority) Encrypts the user's data except the files temporarily created and deleted in the image processing such as copying or printing.	1	
08	Setting mode	System	User interface			9380		Converting 1-byte katakana into 2 byte-katakana at e-mail transmission	1	0~1	SYS	0: Non-conversion1: With conversion	1	
08	Setting mode	System	General			9381		Custom size (Photo size) Feeding / Widthwise	148/100	10~434/10~300	SYS	Feeding/Widthwise	10	
08	Setting mode	System	Image			9382		Erasing leading edge shade on A3-wide (full-page copying)	0	0~1	SYS	0: Whole page copied (No void) 1: Leading edge masked	1	
08	Setting mode	System	User interface	Default setting of filing format	E-mail	9384		Color/ACS	1	0~10	SYS	0: TIFF (Multi) 1: PDF (Multi) 2: JPG 3: TIFF (Single) 4: PDF (Single) 5: SLIM PDF (Multi) 6: SLIM PDF (Single) 7: XPS (Multi) 8: XPS (Single) 9: PDF/A(Multi) 10: PDF/A(Single)	1	Yes
08	Setting mode	System	Network	Notification of scan job		9386	0	When job completed	0	0~1	SYS	Sets the notification method of scan job completion. 0: Invalid 1: Valid	4	
08	Setting mode	System	Network	Notification of scan job		9386	1	On error	0	0~1	SYS	Sets the notification method of scan job completion. 0: Invalid 1: Valid	4	
08	Setting mode	System	Network			9387		File name format of "Save as file" and Email transmission	0	0~6	SYS	Sets the file naming method for "Save as file" and Email transmission. 0: [FileName]-[Data]-[Page] 1: [FileName]-[Page]-[Data] 2: [Data]-[FileName]-[Page] 3: [Data]-[Page]-[File-Name] 4: [Page]-[FileName]-[Data] 5: [Page]-[Data]-[File-Name] 6: [HostName]_[Data]-[Page]	1	
08	Setting mode	System	Network			9388		Date display format of the file name of "Save as file" and Email transmission	0	0~5	SYS	Sets the data display format of the file for "Save as file" and Email transmission. 0: [YYYY][MM][DD][HH][mm][SS] 1: [YY][MM][DD][HH][mm][SS] 2: [YYYY][MM][DD] 3: [YY][MM][DD] 4: [HH][mm][SS] 5: [YYYY][MM][DD][HH][mm][SS][mm0] The order of [YY], [MM] and [DD] varies depending on the setting of the code 08-9102 (Data display format).	1	
08	Setting mode	System	Network			9389		Single page data saving directory at "Save as file"	0	0~1	SYS	Sets the directory where the file of "Save as file" is saved. 0: Save it under a subfolder 1: Save it without creating a subfolder	1	
08	Setting mode	System	Network			9390		Page number display format of the file of "Save as file" and Email transmission	4	3~6	SYS	Sets the digit of a page number attached on the file. 3-6: 3-6 digits	1	
08	Setting mode	System	Network			9391		Extension (suffix) format of the file of "Save as file"	3	3~6	SYS	Sets the extension digits of the file to be saved. 3: Auto 4: 4 digits 5: 5 digits 6: 6 digits	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9394		Single-page option for storing File and sending Email	0	0~1	SYS	0: Sets 1 page as 1 file1: Makes a file based on the original	1	
08	Setting mode	System	Network			9397		Execution of user authentication when the user ID is not entered	2	0~2	SYS	0: Forcible execution1: Execution impossible (pooled in the invalid queue)2: Forcible deletion	1	
08	Setting mode	System	User interface	Card reader	LDAP authentication	9398		LDAP attribute name settings 1	eBMUserCard		SYS	Maximum 32 characters	11	
08	Setting mode	System	Network			9399		Role Based Access LDAP search index	0	0~4294967295	SYS	This code is used to specify the ID for the LDAP server to implement Role-Based Access Control.	5	
08	Setting mode	System	Network			9403		Communication speed and settings of Ethernet	1	1~7	-	1: Auto 2: 10MBPS Half Duplex 3: 10MBPS Full Duplex 4: 100MBPS Half Duplex 5: 100MBPS Full Duplex 6: Not used 7: 1000MBPS Full Duplex	12	
08	Setting mode	System	Network	Address		9406		Address Mode	2	1~3	NIC	1: Fixed IP address 2: Dynamic IP address 3: Dynamic IP address without Auto IP	12	
08	Setting mode	System	Network	Address		9408		IP address	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9409		Subnet mask	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9410		Gateway	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network			9411		Enable/disable setting of IPX/SPX	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9414		Enable/disable setting of AppleTalk	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9416		Availability of LDAP	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network	DNS		9417		Availability of DNS	1	1~2	NIC	1: Available 2: Not available	12	Yes
08	Setting mode	System	Network	Address		9418		IP address to DNS server (Primary)		Refer to contents	NIC	<Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9419		IP address to DNS server (Secondary)		Refer to contents	NIC	<Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network			9421		Availability of SLP	1	1~2	NIC	Sets the availability of SLP on NetWare. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9426		Availability of Bindery	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9427		Availability of NDS	1	1~2	NIC	1: Available 2: Not available	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9430		Availability of HTTP server	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9437		Availability of SMTP client	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9440		Availability of SMTP server	1	1~2	UTY	1: Available 2: Not available	12	
08	Setting mode	System	Network			9446		Availability of POP3 clients	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9459		Availability of FTP server	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9463		MIB function	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9473		Availability of Raw/TCP	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9475		Availability of LPD client	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9478		Availability of IPP	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9481		IPP printer name	MFPserial		NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9486		IPP printer "Make and Model"	Refer to contents		NIC	Maximum 127 letters <Default value> mfp model name	12	
08	Setting mode	System	Network			9487		IPP printer information (more) MFGR			NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9488		IPP message from operator			NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9489		Availability of FTP print	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9499		Page number limitation for printing text of received Email	5	1~99	SYS		1	
08	Setting mode	System	Network			9505		Bonjour setting	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9515		Windows domain No.1 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			9516		PDC (Primary Domain Controller) name No.1 of authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			9517		BDC (Backup Domain Controller) name No.1 of authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network	Address		9525		Display of MAC address			-	(**.*.*.*.*.*.*) The address is displayed as above. 6-byte data is divided by colon.	2	Yes
08	Setting mode	System	Network			9548		SSL setting SSL ftp server OFF/ON	2	1~2	-	1: Enabled 2: Disabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9550		SSL setting IPP server OFF/ON setting	2	1~2	-	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9552		SSL setting SSL ftp server OFF/ON	2	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9556		SSL setting SSL POP3 Client OFF/ON	2	1~3	-	OFF/ON 1: Valid (Accepts all the certification of the server) 2: Invalid 3: Use the imported certification.	12	
08	Setting mode	System	Network			9563		IP Conflict Detect	1	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9564		SNTP Enable	2	1~2	-	OFF/ON1: Valid2: Invalid	12	
08	Setting mode	System	Network			9580		Enabling server's IP address acquired by DHCP	1	1~2	-	Domain Name Server option (6) 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network			9581		Enabling server's IP address acquired by DHCP	1	1~2	-	NetBIOS over TCP/IP Name Server option (44) = Primary and Secondary Wins NAME 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network	Enabling server's IP address acquired by DHCP		9584		SMTP Server Option (69) Simple Mail Server Address	2	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network	Enabling server's IP address acquired by DHCP		9585		POP3 Server Option (70) Post Office Server Address	2	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9587		Enabling server's IP address acquired by DHCP	2	1~2	-	SNTP Server Option (42) NTP Server Address 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network			9599		Samba server ON/OFF setting	1	1~4	NIC	1: Samba enabled 2: Samba disabled 3: Print Share disabled 4: File Share disabled	12	
08	Setting mode	System	Maintenance	General		9601		Equipment number (serial number) display			SYS	First digit: Production country/region (fixed) Second digit: Model (fixed) Third digit: Month (variable) Fourth to ninth digit: serial number (variable) This can be also entered with 05-9043.	11	Yes
08	Setting mode	System	Maintenance			9602		Dealer's name			SYS	Maximum 100 letters Needed at initial registration	11	
08	Setting mode	System	Maintenance	Remote service	General	9603		Login name		20 letters	SYS	Maximum 20 letters Needed at initial registration	11	Yes
08	Setting mode	System	Maintenance	Remote service	Call /Display function	9604		Display set of [Service Notification] button	Refer to contents	0~1	SYS	0: Disabled 1: Enabled <Default value> NAD/NAC/MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System	Maintenance (Remote)			9605		Sending error contents of equipment	0	0~1	SYS	0: Invalid 1: Valid	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance (Remote)			9606		Setting total counter transmission interval (Hour/Hour/Minute/Minute)			SYS		1	
08	Setting mode	System	Maintenance (Remote)			9607		Destination E-mail address 2			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance (Remote)			9608		Destination E-mail address 3			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance	Remote service		9610		Polling day selection Day-1	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote service		9611		Polling day selection Day-2	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote service		9612		Polling day selection Day-3	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote service		9613		Polling day selection Day-4	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9614		Sunday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9615		Monday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9616		Tuesday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9617		Wednesday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9618		Thursday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9619		Friday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling day	9620		Saturday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance			9621		Information of supplies setting of toner cartridge C	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9622		Information of supplies setting of toner cartridge M	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9623		Information of supplies setting of toner cartridge Y	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9624		Information of supplies setting of toner cartridge K	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9625		Information of supplies setting of toner bag	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance	Remote service	Remote-controlled service polling	9626		End of month	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Network			9627		Sending mail text of Internet FAX	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Network			9628		From Name Creation setting in SMTP authentication	0	0~2	SYS	0: Not edited 1: Account name of From Address +Device name 2: LDAP searching	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Wireless LAN			9649		Wireless LAN setting	2	1~2	NIC	This setting is whether the wireless LAN connection is enabled or disabled. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Bluetooth			9680		Bluetooth ON/OFF setting	1	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	Bluetooth			9681		Bluetooth Device name	Refer to contents		SYS	Maximum 32 letters. Only alphanumeric characters, spaces, and symbols are acceptable. <Default value> MFPserial	11	
08	Setting mode	System	Bluetooth			9682		Bluetooth Discovery	1	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Bluetooth			9683		Bluetooth Security	1	0~1	SYS	0: Security function OFF 1: Security function ON	1	
08	Setting mode	System	Bluetooth			9684		Bluetooth PIN	0		SYS	Maximum 8 digits(8-digit sequence) This setting is valid only when the bluetooth security function is ON.	11	
08	Setting mode	System	Bluetooth			9685		Bluetooth Data encryption	1	0~1	SYS	0: Not encrypted 1: Encrypted This setting is valid only when the bluetooth security function is ON.	1	
08	Setting mode	System	Network			9694		Enabling server's IP address acquired by DHCP	1	1~2	-	DNS domain name Option (15) DNS domain name of the client 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	User interface			9698		Color mode notification setting at ACS	0	0~1	SYS	0: Color 1: Black	1	
08	Setting mode	System	Maintenance	General		9700		Service technician telephone number	0	32 digits	SYS	A telephone number can be entered up to 32 digits. Use the [MONITOR/PAUSE] button to enter a hyphen(-).	11	Yes
08	Setting mode	System	User interface			9702		Automatic calibration disclosure level	1	0~2	SYS	Sets the disclosing level of automatic calibration. 0: Service technician 1: Administrator 2: User	1	
08	Setting mode	System	Maintenance	General		9703		Error history display			SYS	Displays the latest 20 errors data.	2	Yes
08	Setting mode	System	Network			9709		Default data saving directory of "Scan to File"	0	0~2	SYS	0: Local directory 1: REMOTE 1 2: REMOTE 2	1	
08	Setting mode	System	Maintenance	Remote service	General	9710		Remote-controlled service function	2	0~2	SYS	0: Valid (Remote-controlled server) 1: Valid (L2) 2: Invalid	1	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9711		Remote-controlled service URL setting			SYS	Maximum 256 letters	11	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9715		Initially-registered server URL setting	Refer to contents		SYS	Maximum 256 letters <Default value> https://device.mfp-support.com:443/device/firstregist.ashx	11	Yes
08	Setting mode	System	Maintenance	Short time interval of emergency mode		9718		Recovery time setting	24	1~48	SYS	Sets the time interval to recover from the emergency mode to the normal mode. (Unit: Hour)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Short time interval of emergency mode		9719		Interval setting	60	30~360	SYS	(Unit: Minute)	1	
08	Setting mode	System	Maintenance	Remote service	General	9723		Periodical polling timing	1600	0~2359	SYS	(Hour/Hour/Minute/Minute) 0 (0:00) to 2359 (23:59)	1	Yes
08	Setting mode	System	Maintenance	Remote service	General	9724		Writing data of self-diagnostic code	0	0~1	SYS	0: Prohibited 1: Accepted	1	Yes
08	Setting mode	System	Maintenance	Remote service	General	9726		Remote-service initial registration	0	0~3	SYS	0: OFF 1: Start 2: Only certification is scanned 3: RDMS communication starts	1	Yes
08	Setting mode	System	Maintenance	Remote service	General	9727		Remote-controlled service tentative password		10 letters	SYS	Maximum 10 letters	11	Yes
08	Setting mode	System	Maintenance	Remote service	General	9729		Status of remote-service initial regist	0	0~1	SYS	0: Not registered 1: Registered	2	Yes
08	Setting mode	System	Maintenance	Remote service	Call /Display function	9730		Service center call function	1	0~2	SYS	0: OFF 1: Notifies all service calls 2: Notifies all but paper jams	1	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9732		Service center call HTTP server URL setting			SYS	Maximum 256 letters	11	Yes
08	Setting mode	System	Counter			9736		Validity of interrupt copying when external counters are installed	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance	Remote service	Call /Display function	9739		Toner-end notification	0	0~2	SYS	0: RDMS toner empty notified immediately 1: RDMS toner empty notified once a day 2: RDMS toner empty not notified	1	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9740		HTTP proxy setting	1	0~1	SYS	0: Valid 1: Invalid	1	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9741		HTTP proxy IP address setting	Refer to contents		SYS	Input IP address or FQDN. <Default value> 0.0.0.0	11	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9742		HTTP proxy port number setting	0	0~65535	SYS		1	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9743		HTTP proxy ID setting			SYS	Maximum 30 letters	11	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9744		HTTP proxy password setting			SYS	Maximum 30 letters	11	Yes
08	Setting mode	System	Maintenance	Remote service	HTTP	9745		HTTP proxy panel display	1	0~1	SYS	0: Valid 1: Invalid	1	Yes
08	Setting mode	System	Network			9746		802.1X/Dynamic WEP selecting button display	1	0~1	SYS	Switches whether a selecting button for Security mode 802.1X/Dynamic WEP is displayed or not. 0: Not displayed 1: Displayed	1	
08	Setting mode	System	Network			9749		WIA Scan Driver	1	1~2	NIC	Selects WIA Scan Driver. 1: TTEC 2: Microsoft	12	
08	Setting mode	System	Maintenance (Remote)			9750		Automatic ordering function of supplies	3	0~3	SYS	0: Ordered by FAX 1: Ordered by E-mail 2: Ordered by HTTP 3: OFF	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance (Remote)			9751		Automatic ordering function of supplies FAX number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9752		Automatic ordering function of supplies E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9756		Automatic ordering function of supplies User's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9757		Automatic ordering function of supplies User's telephone number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9758		Automatic ordering function of supplies User's E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9759		Automatic ordering function of supplies User's address			SYS	Maximum 100 letters	11	
08	Setting mode	System	Maintenance (Remote)			9760		Automatic ordering function of supplies Service number			SYS	Maximum 5 digits	11	
08	Setting mode	System	Maintenance (Remote)			9761		Automatic ordering function of supplies Service technician's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9762		Automatic ordering function of supplies Service technician's telephone number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9763		Automatic ordering function of supplies Service technician's E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9764		Automatic ordering function of supplies Supplier's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9765		Automatic ordering function of supplies Supplier's address			SYS	Maximum 100 letters	11	
08	Setting mode	System	Maintenance (Remote)			9766		Automatic ordering function of supplies Notes			SYS	Maximum 128 letters	11	
08	Setting mode	System	Maintenance (Remote)			9767		Information about supplies Part number of toner cartridge C			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9768		Information about supplies Order quantity of toner cartridge C	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9769		Information about supplies Condition number of toner cartridge C	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9770		Information about supplies Part number of toner cartridge M			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9771		Information about supplies Order quantity of toner cartridge M	1	1~99	SYS		1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance (Remote)			9772		Information about supplies Condition number of toner cartridge M	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9773		Information about supplies Part number of toner cartridge Y			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9774		Information about supplies Order quantity of toner cartridge Y	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9775		Information about supplies Condition number of toner cartridge Y	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9776		Information about supplies Part number of toner cartridge K			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9777		Information about supplies Order quantity of toner cartridge K	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9778		Information about supplies Condition number of toner cartridge K	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9779		Information about supplies Part number of toner bag			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9780		Information about supplies Order quantity of toner bag	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9781		Information about supplies Condition number of toner bag	1	1~99	SYS		1	
08	Setting mode	System	Maintenance	Remote service	Call /Display function	9783		Automatic supply ordering display	Refer to contents	0~2	SYS	0: Valid (FAX/Internet FAX) 1: Valid (FAX/Internet FAX/HTTP) 2: Invalid <Default value> NAD/NAC: 0 Others: 2	1	Yes
08	Setting mode	System	Maintenance (Remote)			9784		Counter notification Remote FAX setting			SYS	Maximum 32 digits Enter a hyphen with the [MONITOR/PAUSE] button.	11	
08	Setting mode	System	General			9787		Suspend when quota is empty	0	0~1	SYS	Sets whether the process is suspended immediately or suspended after the job is completed if quota is used up. 0: Suspended immediately 1: Suspended after the job is finished	1	
08	Setting mode	System	Maintenance			9788		Service call checking period setting	6	0~12	SYS	0: No checking period specified (= Calls service technician immediately) 1: 10 minutes 2: 30 minutes 3: 1 hour 4: 6 hours 5: 12 hours 6: 24 hours 7: 48 hours 8: 7 days 9: 1 month 10: 1 year 11: 5 years 12: Not limited (= Calls service technician if such error has occurred in the past even once or more)	1	
08	Setting mode	System	General			9789		Default repeat count	2	2~8	SYS	Unit: times	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance (Remote)			9793		Service Notification setting	0	0~2	SYS	Enables to set up to 3 E-mail addresses to be sent.(08-9794, 9607, 9608) 0: Invalid 1: Valid (E-mail) 2: Valid (FAX)	1	
08	Setting mode	System	Maintenance (Remote)			9794		Destination E-mail address 1			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance (Remote)			9795		Total counter information transmission setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance (Remote)			9796		Total counter transmission date setting	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance (Remote)			9797		PM counter notification setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Network			9798		Temporary communication password setting		9999	SYS	Sets a temporary communication password. The password can be entered in alphanumeric characters (A to Z, a to z, 0 to 9) up to 10 digits. The entered password is displayed with "*" on the touch panel and the self-diagnostic lists. (Maximum 10 digits, minimum 5 digits)	11	
08	Setting mode	System	General			9799		Local authentication mode switchover	0	0~1	SYS	Sets the authentication mode when "0: (Internal authentication)" is selected in the code 08-9293. 0: Card ID differs from the User ID 1: Card ID is the same as the User ID	1	
08	Setting mode	System	Process			9804		Forcible mode change in toner empty status	1	0~2	SYS	0: SLEEP MODE 1: AUTO POWER SAVE 2: READY	1	
08	Setting mode	System	Laser			9805		Polygonal motor standby rotation Shift waiting time at job end	6	0~24	SYS	0: 0 sec. (Polygonal motor ready rotation at job end) 1 to 24: Setting value x 5 sec.	1	
08	Setting mode	System	Finisher	Interruption of stapling operation (no staple)		9810	0	Copying	1	0~1	SYS	When staple runs out while printing in the stapling mode, sets whether printing is interrupted or printing is continued by switching to sorting. This code is valid only when printing in the stapling mode. However, printing is always interrupted when staple for saddle stitch runs out. 0: Continues printing by switching to sort setting 1: Interrupts printing	4	
08	Setting mode	System	Finisher	Interruption of stapling operation (no staple)		9810	1	Printing / BOX printing	0	0~1	SYS	When staple runs out while printing in the stapling mode, sets whether printing is interrupted or printing is continued by switching to sorting. This code is valid only when printing in the stapling mode. However, printing is always interrupted when staple for saddle stitch runs out. 0: Continues printing by switching to sort setting 1: Interrupts printing	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	0	Plain/Recycled	0	-50~50	SYS	-50 to 50	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	1	Thick1	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	2	Thick2	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	3	Thick3	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	General	Number of output pages for pausing continuous printing for 2nd transfer resistance detection control		9814		At normal temperature	4	0~100	SYS	When the setting value of this code is "1" or higher, the 2nd transfer resistance detection is performed every time the number of pages of (setting value x 100) have output.	1	
08	Setting mode	System	General	Number of output pages for pausing continuous printing for 2nd transfer resistance detection control		9815		At low temperature	10	0~100	SYS	When the setting value of this code is "1" or higher, the 2nd transfer resistance detection is performed every time the number of pages of (setting value x 10) have output.	1	
08	Setting mode	System	General			9816		Addition of the page number to the multi-page file name of File	0	0~1	SYS	Only when job is executed with TimeStamp enabled for file storage, page number is added with the format set at 08-9387. 0: Invalid (Page number not added) 1: Valid (Page number added)	1	
08	Setting mode	System	General			9817		Maximum number of decimals in the extension fields	2	0~6	SYS	0 to 6 digits	1	
08	Setting mode	System	General			9818		The default value of the stored/attached file name of a File/Email	0	0~1	SYS	0: DOCYYMMDD 1: NetBios name	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9819		STAGE SSL	0	0~1	SYS	Sets whether SSL communication is enabled or disabled for remote scanning. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9820		STAGE I/F	1	0~1	SYS	Sets whether interface is enabled or disabled for remote scanning. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Off Device Customization Architecture		9821		Port number	49629	0~65535	SYS	Sets a port number for the remote scanning.	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9822		SSL port number	49630	0~65535	SYS	Sets an SSL port number for remote scanning using SSL communication.	1	
08	Setting mode	System	Network			9823		User name and password at user authentication or "Save as file"	0	0~2	SYS	0: User name and password of the device 1: User name and password at the user authentication (Template registration information comes first when a template is retrieved.) 2: User name and password at the user authentication (User information of the authentication comes first when a template is retrieved.)	1	
08	Setting mode	System	Image			9825		Image quality of the black part in the ACS mode	0	0~1	SYS	0: Black 1: Gray scale	1	
08	Setting mode	System	General			9829		Department management limitation setting	0	0~3	SYS	Decide the default limitation setting when the new department code is created. 0: No limit 1: Limited only in the black mode 2: Limited in the color mode 3: Limited in the black/color mode	1	
08	Setting mode	System	Bluetooth			9841		Bluetooth BIP Print type	0	0~3	SYS	0: Fit page 1: 1/2 size 2: 1/4 size 3: 1/8 size	1	
08	Setting mode	System	Bluetooth			9846		Bluetooth BIP Paper size	NAD/NAC: 2 Others: 6	0~13	SYS	0: ledger 1: legal 2: letter 3: computer 4: statement 5: A3 6: A4 7: A5 9: B4 10: B5 11: Folio 12: Legal13" 13: LetterSquare	1	
08	Setting mode	System	Finisher			9847		Hole punching setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	General			9848		Registration disclosure level setting	1	0~2	SYS	0: Displays no icons 1: ADMIN 2: USER	1	
08	Setting mode	System	General			9880		Total counter data transmission date 2	0	0~31	SYS	0 to 31	1	
08	Setting mode	System	General			9881		Day of the total counter data transmission	0	0~127	SYS	1 byte 00000000(0)-01111111(127) From the 2nd bit - Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday	1	
08	Setting mode	System	General			9883		Hardcopy security printing	0	0~1	SYS	0: Disable1 1: Enable	1	
08	Setting mode	System	General			9884		Hardcopy security printing / Counting method switchover	0	0~1	SYS	0: Counted as 1 1: Counted as 2	1	
08	Setting mode	System	General			9886		Decimal point indication for Enhanced Scan Template	EUR: 0UC: 1JPN: 1	0~1	SYS	0: Comma 1: Full stop	1	
08	Setting mode	System	General			9888		Permission setting for changing the scan parameter when recalling an extension	0	0~1	SYS	0: Prohibited 1: Accepted	1	
08	Setting mode	System	General	Data cloning		9889		Status display for USB cloning	1	0~1	SYS	0: Accepted 1: Prohibited	2	Yes
08	Setting mode	System	User interface	Screen setting		9891		Warning message when PM time has come	1	0~1	SYS	0: No warning notification 1: Warning notification	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9892		Monocolor counting method	0	0~2	SYS	Sets the counting method of fee charging or duplexing count in the Monocolor mode. Department and user counters are not applicable. 0: Mono/Twin Color 1: Black 2: Full Color	1	
08	Setting mode	System	General			9894		Calibration chart charging method	0	0~1	SYS	Decides whether the calibration chart printing is charged or not 0: No charge 1: Charge	1	
08	Setting mode	System	Image			9897		Default value setting of background peak adjustment (Black)	5	1~9	SYS	1: -4 2: -3 3: -2 4: -1 5: 0 6: +1 7: +2 8: +3 9: +4	1	
08	Setting mode	System	Image			9898		Default value setting of density in the scan mode (Color)	6	0~11	SYS	0: Auto 1: -5 2: -4 3: -3 4: -2 5: -1 6: 0 7: +1 8: +2 9: +3 10: +4 11: +5	1	
08	Setting mode	System	Image			9899		Default value setting of density in the scan mode (Gray)	6	0~11	SYS	0: Auto 1: -5 2: -4 3: -3 4: -2 5: -1 6: 0 7: +1 8: +2 9: +3 10: +4 11: +5	1	
08	Setting mode	System	Version	System		9900		System software version			-	T130SY0WXXXX	2	
08	Setting mode	System	Version	Engine		9901		Engine ROM version			-	130M-XXX	2	Yes
08	Setting mode	System	Version	Engine		9902		Scanner ROM version			-	130S-XXX	2	Yes
08	Setting mode	System	Version	Engine		9903		RADF ROM version			-	DF-XXXX	2	Yes
08	Setting mode	System	Version	Finisher		9904		Finisher ROM version			-	SDL-XXX FIN-XXX	2	Yes
08	Setting mode	System	Version	FAX		9905		Fax board ROM version			-	F670-XXX	2	Yes
08	Setting mode	System	Version	System		9930		System software OS version			-	T130SF0WXXXX	2	Yes
08	Setting mode	System	Network			9933		Domain participation confirmation of printing when LDAP authentication is used	1	0~1	SYS	Sets whether domain participation of a client computer for print job authentication is confirmed or not when LDAP is selected as the authentication method for user authentication. This function is enabled only when department management is enabled. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	S-ACS operation setting		9934	0	Copy	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	General	S-ACS operation setting		9934	1	Print	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	General	S-ACS operation setting		9934	2	Box, Others	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	0	Plain/Recycled	0	-100~100	SYS	-100 to 100	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	1	Thick1	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	2	Thick2	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	3	Thick3	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	0	Plain/Recycled	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	1	Thick1	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	2	Thick2	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	3	Thick3	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Version	Engine		9940		PFC ROM version			-	130F-XXX	2	Yes
08	Setting mode	System	Version	Finisher		9944		Finisher punch ROM version			-	PUN-XXX	2	Yes
08	Setting mode	System	Version			9945		Finisher Converter ROM version			-	CNV-XXX	2	
08	Setting mode	System	Network	E-mail		9946		Number of Email transmission retries	3	0~14	SYS	0 to 14 times	1	Yes
08	Setting mode	System	Network	E-mail		9947		E-mail transmission retry interval	1	0~15	SYS	0 to 15 min.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Option	EFI		9950		Printer Board settings confirmation	0	0~1	SYS	Confirms whether the default settings of the EFI printer board are made or not. If 08-9951 is executed, the value becomes "1", and if 08-9952 is executed, the value becomes "0". 0: Not initialized 1: Initialization completed	2	Yes
08	Setting mode	System	Option	EFI		9951		Default settings of the Printer Board			-	When connecting the EFI printer board, makes the default settings for the printer board.	3	Yes
08	Setting mode	System	Option	EFI		9952		Printer board restoring setting			-	When disconnecting the EFI printer board, restores the default settings for equipment without EFI printer board.	3	Yes
08	Setting mode	System	General			9954		Counter / job list printing operation	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface			9955		Name of [EXTENSION] button	EXTENSION		SYS	Sets the name of "EXTENSION" button displayed on the MENU screen. Maximum 10 characters with alphameric characters and symbols.	11	
08	Setting mode	System	Network			9958		Bcc address display ON/OFF setting (Job Log / Job Status)	0	0~1	SYS	Sets whether the Bcc address is displayed or not on the Job Log or Job Status when "1: To/Bcc" is selected in the code 08-9957. 0: OFF (Bcc address not displayed) 1: ON (Bcc address displayed)	1	
08	Setting mode	System	Network			9959		Bcc address display ON/OFF setting (Job Notification)	1	0~1	SYS	Sets whether the Bcc address is displayed or not on all the Job Notifications except for the administrator when "1: To/Bcc" is selected in the code 08-9957. 0: OFF (Bcc address not displayed) 1: ON (Bcc address displayed)	1	
08	Setting mode	System	Maintenance			9960		Display of equipment information (SRAM)	Refer to contents	0~2	SYS	Displays the equipment information in SRAM. 0: Not set 1: Destinations other than NAD/NAC 2: NAD/NAC <Default value> NAD/NAC: 2 Others: 1	2	
08	Setting mode	System	User interface			9963		Display of receiving job on PRINT/JOB STATUS screen	2	0~2	SYS	0: Disabled 1: Enabled (Other user's receiving job can be deleted) 2: Enabled (Other user's receiving job cannot be deleted) * This setting is automatically disabled in the high security mode.	1	
08	Setting mode	Printer	Laser			9967		Polygonal motor pre-running setting (at user authentication)	Refer to contents	0~1	SYS	Enable this setting to shorten the time to start printing at user authentication. 0: Disabled 1: Enabled <Default value> JPC: 1 Others: 0	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9970		Original mode (Black)	0	0~4	SYS	0: Text/Photo 1: Text 2: Photo 3: Gray Scale 4: User custom mode	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9971		Image quality density adjustment at power-ON Default setting	0	0~1	SYS	0: Auto 1: Manual	1	
08	Setting mode	System	User interface	Blank page judgment Default setting	PPC	9972		Blank page judgment Default setting	0	-3~3	SYS	The larger the value, the more the paper is judged as a blank page. The smaller the value, the less the paper is judged as a blank page.	1	
08	Setting mode	System	User interface	Blank page judgment Default setting	SCN	9973		Blank page judgment Default setting	0	-3~3	SYS	The larger the value, the more the paper is judged as a blank page. The smaller the value, the less the paper is judged as a blank page.	1	
08	Setting mode	System	User interface	ACS judgment adjustment Default setting	PPC	9974		ACS judgment adjustment Default setting	2	-3~3	SYS	The larger the value, the more the original is judged as color data. The smaller the value, the less the original is judged as black data.	1	
08	Setting mode	System	User interface	ACS judgment adjustment Default setting	SCN	9975		ACS judgment adjustment Default setting	2	-3~3	SYS	The larger the value, the more the original is judged as color data. The smaller the value, the less the original is judged as black data.	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9976		Original mode (Color)	0	0~5	SYS	0: Text/Photo 1: Text 2: Printed image 3: Photo 4: Map 5: Custom	1	Yes
08	Setting mode	System	General			9977		ACS original mode Default setting	0	0~2	SYS	0: Text/Photo 1: Text 2: Printed image	1	
08	Setting mode	System	General			9978		Default setting of Density mode at power-ON (ACS / full color / PPC)	1	0~1	SYS	0: Automatic 1: Manual (Center)	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9979		Color mode	2	0~2	SYS	0: Auto color 1: Black 2: Full color When the value of the code 08-9116 is "1: Enabled", "1: Black" is automatically set for this code and "0: ACS" and "2: Full color" become unselectable.	1	Yes
08	Setting mode	System	Network			9980		Address setting for TO/CC/BCC at authentication	0	0~4	SYS	Sets address of TO/CC/BCC when the user authentication and E-mail authentication are enabled. When the value of this code is set to "1", the address specified as From Address is input to TO destination field. TO/CC/BCC field cannot be edited. When the value of this code is set to "2 to 4", the address specified as From Address is input to each field. TO/CC/BCC field can be edited by pressing the TO/CC/BCC button. 0: Disabled 1: Fixed to TO field. 2: Added to TO field. 3: Added to CC field. 4: Added to BCC field.	1	
08	Setting mode	System	Network			9981		Sending body text of email	1	0~1	SYS	Sets whether the job information is output in the body of e-mail when executing e-mail send job. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9982		Switch of display attribute of [EXTENSION] icon	0	0~1	SYS	0: Touch is invalid when authentication is not completed. 1: Touch is valid when authentication is not completed.	1	
08	Setting mode	System	User interface			9984		Document or file name display form for the PRINT screen, JOB STATUS screen, Job Status tab and Logs tab	0	0~1	SYS	0: Displays with the document or file name 1: Does not display the document or file name	1	
08	Setting mode	System	User interface			9985		Screen displayed by pressing MENU button	0	0~1	SYS	0: MENU screen 1: EWB screen	1	
08	Setting mode	System	FAX			9987		Retention of fax sending settings	0	0~3	SYS	Sets whether the fax sending settings are retained or not. 0: Clears all settings (The authentication screen is displayed if user authentication or department management is enabled.) 1: Clears all 2: Clears only addresses 3: Retains all settings * When the value of this code is set to "3", the value of 08-3847 (FAX mistransmission prevention) is automatically set to "1" (Enabled).	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2400		Adjustment for All (Y,M,C,K)	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2401		Adjustment for Y	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2402		Adjustment for M	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2403		Adjustment for C	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2404		Adjustment for K	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development	Adjustment of auto-toner initial adjustment reference setting value (YMCK) Y		2405	0	Adjustment of (YMCK) Y	130	0-255	M		4	Yes
05	Adjustment mode	Process	Development	Adjustment of auto-toner initial adjustment reference setting value (YMCK) M		2405	1	Adjustment of (YMCK) M	130	0-255	M		4	Yes
05	Adjustment mode	Process	Development	Adjustment of auto-toner initial adjustment reference setting value (YMCK) C		2405	2	Adjustment of (YMCK) C	130	0-255	M		4	Yes
05	Adjustment mode	Process	Development	Adjustment of auto-toner initial adjustment reference setting value (YMCK) K		2405	3	Adjustment of (YMCK) K	130	0-255	M		4	Yes
05	Adjustment mode	Process	Development	Auto adj. for dev. material supply and ATS		2406		Adjustment for 3 colors(Y,M,C)	128	0-255	M	Sets the auto-toner sensor output and supply of developer material automatically. The larger the value, the larger the sensor output becomes.	5	Yes
05	Adjustment mode	Process	Development			2416		Forcible mixing in the developer unit			M	Decelerates the rotation of each developer unit mixer motor to mix the developer material in the developer unit forcibly. Perform this code when the process unit is installed or removed.	5	Yes
05	Adjustment mode	Process	Development			2417		Manual forcible discharge of developer material			M	Discharges developer material forcibly.	5	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2461		Y	73	0-255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2462		M	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2463		C	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Charger	Main charger grid bias adjustment		2464		K	73	0~255	M	Judges the presence of the developer unit-K. If it is judged as present, the input of this code will be refused. (Unit: bit) To perform this code, disconnect all the auto-toner sensors in the EPU.	3	
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	Y	2627	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	Y	2627	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	M	2628	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	M	2628	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	C	2629	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	C	2629	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	K	2630	0	Lower limit	100	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Developer bias DC(-) calibration voltage	K	2630	1	Upper limit	900	0~1000	M	(Unit: V)	4	Yes
05	Adjustment mode	Process	Development	Target value for high density control		2662	0	Y	312	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Development	Target value for high density control		2662	1	M	316	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Development	Target value for high density control		2662	2	C	316	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	
05	Adjustment mode	Process	Development	Target value for high density control		2662	3	K	340	0~999	M	Use this code to increase/decrease the image density. After changing the setting value of this code, perform 05-2742.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	Y	2670	0	Y	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	M	2670	1	M	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	C	2670	2	C	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image control	Image quality closed-loop control contrast voltage correction/maximum number of time corrected	K	2670	3	K	5	0~16	M	Sets the maximum correction number of time of the contrast voltage in the closed-loop control.	4	
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2729		When the light source is OFF	0	0~1023	M	Displays the output value of image quality sensor when the sensor light source is OFF.	2	
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2730		Transfer belt surface	0	0~1023	M	Displays the output value of image quality sensor (when there is no test pattern) on the transfer belt.	2	
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2731	0	Y	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2731	1	M	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2731	2	C	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image control	Output value display of image quality sensor		2731	3	K	0	0~1023	M	Displays the output value of image quality sensor when a high-density test pattern is written. The larger the value, the smaller the toner amount adhered becomes.	10	Yes
05	Adjustment mode	Process	Image control			2734		Light amount adjustment result of image quality sensor	0	0~255	M	The LED light amount adjustment value of this sensor is the reference value to set the reflected light from the belt surface.	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image control			2737		Relative humidity display during latest closed-loop control	0	0~100	M	Displays the relative humidity at the latest performing of the closed-loop control.	2	
05	Adjustment mode	Process	Image control	Enforced performing of image quality open-loop control	Enforced performing of image quality open-loop control	2740		Enforced performing of image quality open-loop control			-	Performs the image quality open-loop control.	6	Yes
05	Adjustment mode	Process	Image control			2742		Enforced execution of image quality closed-loop control			M	Performs the image quality control.	6	Yes
05	Adjustment mode	Process	Transfer			2761		Temperature/humidity sensor temperature display	23	0~100	M	Displays the preset temperature at the completion of a print job.	2	
05	Adjustment mode	Process	Transfer			2762		Temperature/humidity sensor humidity display	50	0~100	M	Displays the preset humidity at the beginning of warming-up.	2	
05	Adjustment mode	Process	Charger			2763		Drum thermistor temperature display (K)	23	0~100	M	(Unit: °C)	2	
05	Adjustment mode	Process	Charger			2764		Drum thermistor temperature display (Y)	23	0~100	M	(Unit: °C)	2	
05	Adjustment mode	Process	Image control	Drum surface potential sensor controlling status		2780	0	Sensor shutter-Y	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor controlling status		2780	1	Sensor shutter-M	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor controlling status		2780	2	Sensor shutter-C	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor controlling status		2780	3	Sensor shutter-K	0	0~2	M	Displays the controlling status of the drum surface potential sensor with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	0	Y (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	1	M (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	2	C (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	3	K (low bias)	292	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	5	Y (high bias)	886	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	6	M (high bias)	886	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	7	C (high bias)	886	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	8	K (high bias)	886	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	10	Y (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	11	M (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	12	C (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output		2782	13	K (medium bias)	490	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is opened.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	0	Y (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	1	M (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	2	C (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	3	K (high bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	5	Y (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	6	M (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	7	C (medium bias)	0	0-999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Image control	Drum surface potential sensor output (Shutter closed)		2787	8	K (medium bias)	0	0~999	M	Outputs the detection value of the drum surface potential sensor when the drum surface potential sensor shutter is closed.	10	
05	Adjustment mode	Process	Image control			2788		Inspection of the sensors around the process unit			M	Displays the controlling status of the drum surface potential (V0) sensor and the drum surface potential (V0) sensor shutter closing in each of Y, M, C and K when [ERROR] occurs. Upper row: Drum surface potential (V0) sensor Lower row: Drum surface potential (V0) sensor shutter closing 0: Normally finished 1: Control paused 2: Sensor / shutter closing abnormality	6	
05	Adjustment mode	Process	Image control	Drum surface potential sensor shutter closing controlling status		2789	0	Sensor shutter-Y	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor shutter closing controlling status		2789	1	Sensor shutter-M	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor shutter closing controlling status		2789	2	Sensor shutter-C	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	Drum surface potential sensor shutter closing controlling status		2789	3	Sensor shutter-K	0	0~2	M	Displays the controlling status of the drum surface potential sensor shutter closing with a digit as follows: 0: Normally finished1: Control paused2: Sensor abnormality	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	0	Y color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	1	Y color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	2	Y color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	3	M color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	4	M color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	5	M color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	

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05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	6	C color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	7	C color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	8	C color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	9	K color (low gradation 1)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	10	K color (low gradation 2)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2800	11	K color (low gradation 3)	0	0~1023	M	TRC control pattern Detection values for low gradation 1, low gradation 2, low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	0	Y color (middle low gradation1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	1	Y color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	2	Y color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	3	M color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	4	M color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	5	M color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	6	C color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	7	C color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	

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05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	8	C color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	9	K color (middle low gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	10	K color (middle low gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2801	11	K color (middle low gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle low gradation 1, middle low gradation 2, and middle low gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	0	Y color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	1	Y color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	2	Y color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	3	M color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	4	M color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	5	M color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	6	C color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	7	C color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	8	C color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	

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05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	9	K color (middle high gradation 1)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	10	K color (middle high gradation 2)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2802	11	K color (middle high gradation 3)	0	0~1023	M	TRC control pattern Detection values for middle high gradation 1, middle high gradation 2, and middle high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	0	Y color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	1	Y color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	2	Y color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	3	M color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	4	M color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	5	M color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	6	C color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	7	C color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	8	C color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	9	K color (high gradation 1)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	10	K color (high gradation 2)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	
05	Adjustment mode	Process	Image control	TRC control pattern detection value		2803	11	K color (high gradation 3)	0	0~1023	M	TRC control pattern Detection values for high gradation 1, high gradation 2, and high gradation 3 of each color	10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	0	Y normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	1	M normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	2	C normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	3	K normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	4	K(4) normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	5	K(1) normal speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	6	Y decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	7	M decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	8	C decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	9	K decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	10	K(4) decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	

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05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	11	K(1) decelerating 1	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	12	K(1) High speed	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	13	Y decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	14	M decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	15	C decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	16	K decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	17	K(4) decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias resistance detection offset		2905	18	K(1) decelerating 2	5	0~10	M	Sets the offset amount of the 1st transfer bias. Offsetting level 0: 0.75 1: 0.80 2: 0.85 3: 0.90 4: 0.95 5: 1.00 6: 1.05 7: 1.10 8: 1.15 9: 1.20 10: 1.25 (Unit: Correcting factor)	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

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05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	4	Overhead transparencies	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Top side)		2934	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

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05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the color mode (Back side)		2935	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the color mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	4	Overhead transparencies	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Top side)		2936	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Top side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	0	Plain paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	1	Thick paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	2	Thick paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	3	Thick paper 3	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	5	Special paper 1	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	6	Special paper 2	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	7	Recycled paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	8	Thick paper 4	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	Bias offset in the black mode (Back side)		2937	9	Special mode for waterproof paper	5	0~10	M	Sets the bias offset amount of the 2nd transfer bias in the black mode (Back side). Offsetting level 0: 0 1: 0.2 2: 0.4 3: 0.6 4: 0.8 5: 1.0 6: 1.2 7: 1.4 8: 1.6 9: 1.8 10: 2.0	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	4	Overhead transparencies	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the color mode)		2938	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the color mode)		2939	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the color mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	4	Overhead transparencies	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Top side in the black mode)		2940	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Top side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	0	Plain paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	1	Thick paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	2	Thick paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	3	Thick paper 3	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	5	Special paper 1	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	6	Special paper 2	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	7	Recycled paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	8	Thick paper 4	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Transfer	2nd transfer leading/trailing edge bias correction factor(Back side in the black mode)		2941	9	Special mode for waterproof paper	0	0~10	M	Corrects the 2nd transfer leading/trailing edge bias (Back side in the black mode). Offsetting level 0: 1.00 1: 0.95 2: 0.90 3: 0.85 4: 0.80 5: 0.75 6: 0.70 7: 0.65 8: 0.60 9: 0.55 10: 0.5	4	
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at jam recovery / bypass non-standard printing / tab paper printing.		2962	0	Normal speed / High speed	0	0~7	M	0: Disabled 1: Once 2: twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at jam recovery / bypass non-standard printing / tab paper printing.		2962	1	Decelerating 1 / Decelerating 2	0	0~7	M	0: Disabled 1: Once 2: twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at image quality control end		2963	0	Normal speed/High speed	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Process	Cleaning	Number of time of cleaning at image quality control end		2963	1	Decelerating1/Decelerating2	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of forced toner supply or standby after fusing		2966	0	Normal speed/High speed	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Cleaning	Setting value of number of times cleaning is performed after the completion of forced toner supply or standby after fusing		2966	1	Decelerating1/Decelerating2	0	0~7	M	0: None 1: Once 2: Twice 3: 3 times 4: 5 times 5: 7 times 6: 10 times 7: 12 times	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (Y only)		2991	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (Y only)		2991	1	High	50	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (M only)		2992	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (M only)		2992	1	High	50	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (C only)		2993	0	Low	5	0~99	M	(Unit: μ A)	4	
05	Adjustment mode	Process	Transfer	1st transfer bias constant-current transformer calibration value (C only)		2993	1	High	50	0~99	M	(Unit: μ A)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Scanner	Scanner			3009		Log table switching for RADF copying (color)	0	0~4	SYS	0: Same log table as the one used at copying with original glass 1: Background reproduction - Light 2 2: Background reproduction - Light 1 3: Background reproduction - Dark 1 4: Background reproduction - Dark 2	1	
05	Adjustment mode	Scanner	Scanner	Image location adjustment		3030		Primary scanning direction (scan. section)	113	0~255	SYS	When the value increases by "1", the image shifts by approx. 0.0423 mm toward the front side of the paper.	1	Yes
05	Adjustment mode	Scanner	Scanner	Image location adjustment		3031		Secondary scanning direction(scan.section)	124	68~188	SYS	When the value increases by "1", the image shifts by approx. 0.09 mm toward the trailing edge of the paper.	1	Yes
05	Adjustment mode	Scanner	Scanner	Reproduction ratio adjustment		3032		Adj. secondary scan.direction	128	0~255	SYS	When the value increases by "1", the reproduction ratio in the secondary scanning direction (vertical to paper feeding direction) increases by approx. 0.025%.	1	Yes
05	Adjustment mode	Scanner	Scanner	Distortion mode		3033		Distortion mode			-	Moves carriages to the adjustment position.	6	Yes
05	Adjustment mode	Scanner	Scanner	Shading position adjustment		3034		Original glass	117	68~188	SYS	0.09524 mm/step	1	
05	Adjustment mode	Scanner	Scanner	Shading position adjustment		3035		RADF	133	68~188	SYS	0.09524 mm/step	1	
05	Adjustment mode	Scanner	RADF	Adjustment of RADF paper alignment		3040		Front side	12	0~20	SYS	When the value increases by "1", the aligning amount increases by approx. 0.4 mm.	1	Yes
05	Adjustment mode	Scanner	RADF	Adjustment of RADF paper alignment		3041		Back side	5	0~20	SYS	When the value increases by "1", the aligning amount increases by approx. 0.4 mm.	1	Yes
05	Adjustment mode	Scanner	RADF			3042		Fine adjustment of RADF transport speed	50	0~100	SYS	When the value increases by "1", the reproduction ratio of the secondary scanning direction on original (fed from the RADF) increases by approx. 0.1%.	1	Yes
05	Adjustment mode	Scanner	RADF			3043		RADF sideways deviation adjustment	128	0~255	SYS	When the value increases by "1", the image of original fed from the RADF shifts toward the rear side of paper by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Scanner	RADF	Leading edge position adjustment		3044		Front side	50	0~100	SYS	When the value increases by "1", the copied image of original fed from the RADF shifts toward the trailing edge of paper by approx. 0.2 mm.	1	Yes
05	Adjustment mode	Scanner	RADF	Leading edge position adjustment		3045		Back side	50	0~100	SYS	When the value increases by "1", the copied image of original fed from the RADF shifts toward the trailing edge of paper by approx. 0.2 mm.	1	Yes
05	Adjustment mode	Scanner	Scanner			3046		Carriage position adjustment during scanning from RADF (black)	128	0~255	SYS	When the value increases by "1", the carriage position shifts by approx. 0.1 mm toward the exit side when using the RADF.	1	
05	Adjustment mode	Scanner	Scanner			3047		Carriage position adjustment during scanning from RADF (color)	128	0~255	SYS	When the value increases by "1", the carriage position shifts by approx. 0.1 mm toward the exit side when using the RADF.	1	
05	Adjustment mode	Scanner	Scanner	Data transfer of characteristic value		3203		SLG board -> SYS board			SYS	Transfers the characteristic values of the scanner (shading correction factor / RGB color correction / reproduction ratio color deviation correction / shading position correction factor / reproduction ratio correction value in primary scanning direction)	6	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Scanner	Scanner			3209		Data transfer of characteristic value of scanner / SYS board -> SLG board			SYS	Transfers the characteristic values of the scanner (shading correction factor / RGB color correction / reproduction ratio color deviation correction / shading position correction factor / reproduction ratio correction value in primary scanning direction) from the SRAM of the SYS board to the SRAM of the SLG board.	6	
05	Adjustment mode	Scanner	RADF			3210		Original reading start sensor Auto adj.			-	Perform the adjustment and initialization when the RADF board or RADF original reading start sensor is replaced.	6	Yes
05	Adjustment mode	Scanner	Scanner			3218		Shading correction plateAutomatic dust detection adjustment			-	Performs adjustment for automatic dust detection with the shading correction plate. If dust is detected, shading correction is performed by avoiding the dust.	6	
05	Adjustment mode	Scanner	RADF			3220		EEPROM initialization			-	Initializes EEPROM for the RADF.	6	
05	Adjustment mode	Scanner	RADF			3221		Original reading start sensor Manual adj.			-	Adjusts the RADF original reading start sensor of the RADF manually.	6	Yes
05	Adjustment mode	Scanner	RADF			3350		Trailing edge adjustment of scanning	50	0~100	SYS	When the value increases by "1", the trailing edge of scanned original becomes longer by 0.3 mm at RADF copying. When the value decreases by "1", the trailing edge of scanned original becomes shorter by 0.3 mm at RADF copying. * This code is effective when the value of 08-3075 is "1" (Allowed).	1	
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.		4005		PPC	128	0~255	M	When the value increases by "1", the writing start position shifts to the front side by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.		4006		PRT	128	0~255	M	When the value increases by "1", the writing start position shifts to the front side by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	13	Transport speed: 2	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor rotational speed		4016	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	0	1st drawer	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	1	2nd drawer	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	2	3rd drawer	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	3	4th drawer	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	4	T-LCF	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	5	Bypass feeding	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adjustment of drawer sideways deviation		4018	6	O-LCF	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	0	Long size	155	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	1	Short size	155	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Adj. of primary scan. laser write start pos.	Duplex feeding	4019	2	Middle size	128	0~255	M	When the value increases by "1", the image shifts toward the front side by 0.0423 mm.	4	Yes
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4050		Top margin adjustment	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image			4051		Left margin adjustment (blank area at the left of the paper along the paper feeding direction)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4052		Right margin adjustment	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Printer	Image	Margin adjustment	PPC	4053		Bottom margin adjustment	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	Yes
05	Adjustment mode	Printer	Image			4054		Top margin adjustment (blank area at the leading edge of the paper)	24	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image			4055		Left margin adjustment (blank area at the left of the paper along the paper feeding direction)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image			4056		Right margin adjustment (blank area at the right of the paper along the paper feeding direction)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image			4057		Bottom margin adjustment (blank area at the trailing edge of the paper)	0	0~255	M	When the value increases by "1", the blank area becomes wider by approx. 0.0423 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4058		1st drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4059		2nd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4060		3rd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4061		Bypass feeding	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4062		Duplex feeding	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4063		O-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image			4064	0	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing(black)	24	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	1	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing(black)	18	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	2	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing (color)	24	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	3	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing (color)	18	0~255	M	When the value increases, the blank area becomes wider.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image			4064	4	Bottom margin adjustment (blank area at the trailing edge of the paper)/Reverse side at duplexing (Thick paper 1)	18	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image			4064	5	Right margin adjustment (blank area at the right of the paper along the paper feeding direction)/Reverse side at duplexing (Thick paper 1)	12	0~255	M	When the value increases, the blank area becomes wider.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/2)		4065		Common items	100	0~200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4066		Common items	100	0~200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	0	1stdrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	1	2nd drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	2	3rddrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	3	4thdrawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	4	ADU	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	5	T-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	6	O-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (High speed)		4067	7	Bypass feed	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/3)		4070		Common items	100	0-200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Image	Leading edge position adjustment (Decelerated by 1/3)		4071		Common items(Black)	100	0-200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4100	0	Plain paper; Long size	48	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4100	1	Plain paper; Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4100	2	Plain paper; Short size1	Refer to contents	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter <Default value> e-STUDIO5560C: 35 e-STUDIO6560C/6570C: NAD/NAC: 30 Others: 35	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4100	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4100	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4101	0	Plain paper; Long size	33	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4101	1	Plain paper; Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4101	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4101	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4101	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4103	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4103	1	Plain paper; Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4103	2	Plain paper; Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4103	3	Plain paper; ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4103	4	Plain paper; ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4104	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4104	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4104	2	Thick paper1 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4104	3	Thick paper1 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4104	4	Thick paper1 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4105	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4105	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4105	2	Thick paper2 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4105	3	Thick paper2 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4105	4	Thick paper2 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4106	0	Thick paper3 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4106	1	Thick paper3 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4106	2	Thick paper3 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4106	3	Thick paper3 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4106	4	Thick paper3 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4107	0	OHP film ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4107	1	OHP film ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4107	2	OHP film ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4107	3	OHP film ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4107	4	OHP film ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4108	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4108	1	Plain paper; Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4108	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4108	3	Plain paper; Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4108	4	Plain paper; Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4109	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4109	1	Plain paper; Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4109	2	Plain paper; Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4109	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4109	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4110	0	Plain paper; Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4110	1	Plain paper; Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4110	2	Plain paper; Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4110	3	Plain paper; :Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4110	4	Plain paper; :Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4111		Plain paper	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	0	Plain paper	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	1	Thick paper 1	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	2	Thick paper 2	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	3	Thick paper 3(black)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	4	Overhead transparencies	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	5	Thick paper 3(color)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	6	Thick paper 4(black)	30	0-63	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	7	Thick paper 4(color)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	8	Special paper 1	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	9	Special paper 2	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of paper pushing amount/Bypass feeding		4112	10	Plain paper / High speed(black)	30	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4115	0	Thick paper1 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4115	1	Thick paper1 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4115	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4115	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4115	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4116	0	Thick paper1 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4116	1	Thick paper1 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4116	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4116	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4116	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4117	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4117	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4117	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4117	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4117	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4118	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4118	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4118	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4118	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4118	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4119	0	Thick paper1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4119	1	Thick paper2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4119	2	Thick paper3(black)	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4119	3	Thick paper3(Color)	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4120	0	Thick paper1 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4120	1	Thick paper1 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4120	2	Thick paper1 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4120	3	Thick paper1 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4120	4	Thick paper1 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4122	0	Plain paper; Long size(High speed/black)	40	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4122	1	Plain paper; Middle size(High speed/black)	29	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4122	2	Plain paper; Short size1(High speed/black)	Refer to contents	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter <Default value> e-STUDIO5560C/6560C: 27 e-STUDIO6570C: NAD/NAC: 22 Others: 27	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4122	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4122	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4123	0	Plain paper; Long size(High speed/black)	25	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4123	1	Plain paper; Middle size(High speed/black)	29	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4123	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4123	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4123	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4124	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4124	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4124	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4124	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4124	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4125	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4125	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4125	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4125	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4125	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4126		Plain paper(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4127	0	Plain paper; Long size(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4127	1	Plain paper; Middle size(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4127	2	Plain paper; Short size1(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4127	3	Plain paper; Short size2(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4127	4	Plain paper; Short size3(High speed/black)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4128	0	Special paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4128	1	Special paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4128	2	Special paper1 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4128	3	Special paper1 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4128	4	Special paper1 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4129	0	Special paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4129	1	Special paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4129	2	Special paper2 ;Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4129	3	Special paper2 ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4129	4	Special paper2 ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	0	Y	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	1	M	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Secondary scanning laser writing start position correction offset value		4350	2	C	128	118-138	M	Corrects image position to be shifted to the trailing edge side of paper. 0.5 line/bit	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4402		Common items	100	0-200	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	0	1stdrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	1	2nddrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	2	3rddrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	3	4thdrawer	Refer to contents	0-63	M	<Default value> JPC: 15 NAD/NAC: 9 Other: 7	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	4	O-LCF	Refer to contents	0-63	M	<Default value> JPC: 20 NAD/NAC: 16 Other: 12	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / Paper present		4490	5	T-LCF	Refer to contents	0-63	M	<Default value> JPC: 28 Other: 8	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	0	1stdrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	1	2nddrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	2	3rddrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	3	4thdrawer	53	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	4	O-LCF	50	0-63	M		4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Adjustment of remaining amount of paper / No paper		4491	5	T-LCF	60	0-63	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of drum motor rotational speed		4520	0	Transport speed: Normal speed (Color)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of drum motor rotational speed		4520	1	Transport speed: Decelerated by1/2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of drum motor rotational speed		4520	2	Transport speed: Decelerated by1/3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of drum motor rotational speed		4520	3	Transport speed: Normal speed (Monochrome)	128	0-255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	0	Transport speed: Normal speed (Color)	138	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	1	Transport speed: Decelerated by 1/2	114	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	2	Transport speed: Decelerated by 1/3	122	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	3	Transport speed: Normal speed (Monochrome)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	12	Transport speed: 1	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	13	Transport speed: 2	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	14	Transport speed: 3	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	15	Transport speed: 4	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	16	Transport speed: 5	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of registration motor rotational speed		4523	17	Transport speed: 6	128	0~255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adj. of transfer belt motor speed		4526	0	Transport speed: Normal speed	128	0~255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adj. of transfer belt motor speed		4526	1	Transport speed: Decelerated by 1/2	126	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive system	Fine adj. of transfer belt motor speed		4526	2	Transport speed: Decelerated by 1/3	124	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive system	Fine adj. of transfer belt motor speed		4526	3	Transport speed: High speed	128	0-255	M	When the value increases, the motor speed becomes faster. (0.05%/step)	4	Yes
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	0	Transport speed: Normal speed (Color)	128	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	1	Transport speed: Decelerated by 1/2	134	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	2	Transport speed: Decelerated by 1/3	132	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	3	Transport speed: Normal speed (Monochrome)	128	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	5	Transport speed: Decelerated by 1/2 (Long size paper)	137	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of fuser roller rotational speed		4529	6	Transport speed: Decelerated by 1/3 (Long size paper)	141	0-255	M	When the value increases, the motor speed becomes faster. (0.06%/step)	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	0	Transport speed: Normal speed (Color)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	1	Transport speed: Decelerated by 1/2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	2	Transport speed: Decelerated by 1/3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	3	Transport speed: Normal speed (Monochrome)	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	12	Transport speed: 1	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	13	Transport speed: 2	128	0-255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of feed/transport motor rotational speed		4532	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	0	Transport speed: Normal speed (Color)	102	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	1	Transport speed: Decelerated by 1/2	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	2	Transport speed: Decelerated by 1/3	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	3	Transport speed: Normal speed (Monochrome)	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	6	Transport speed: Decelerated by 1/3 (Long size paper)	135	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	12	Transport speed: 1	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	13	Transport speed: 2	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	14	Transport speed: 3	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	15	Transport speed: 4	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	16	Transport speed: 5	128	0~255	M	0.05%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of exit motor rotational speed		4535	17	Transport speed: 6	128	0~255	M	0.05%/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4560		4th drawer	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment	Standard speed	4561		T-LCF	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	1	Yes
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 1/2)		4562	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 1st drawer (Decelerated by 2/3)		4562	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 1/2)		4563	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 2nd drawer (Decelerated by 2/3)		4563	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/2)		4564	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 3rd drawer (Decelerated by 1/3)		4564	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/2)		4565	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / 4th drawer (Decelerated by 1/3)		4565	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/2)		4566	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / T-LCF (Decelerated by 1/3)		4566	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	0	Thick paper 1	51	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	1	Thick paper 2	52	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	2	Thick paper 3	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/2)		4567	3	Thick paper 4	55	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/3)		4567	4	OHP film	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustmentBypass feed (Decelerated by 1/3)		4567	5	Special paper 1	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	6	Special paper 2	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	7	Thick paper 3	54	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment Bypass feed (Decelerated by 1/3)		4567	8	Thick paper 4	55	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/2)		4568	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	3	Special paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	4	Special paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / ADU (Decelerated by 1/3)		4568	5	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	0	Thick paper 1	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	1	Thick paper 2	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/2)		4569	2	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Image	Leading edge position adjustment / O-LCF (Decelerated by 1/3)		4569	3	Thick paper 3	50	0~100	M	When the value increases by "1", the image shifts toward the trailing edge of the paper by approx. 0.1 mm.	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Tandem LCF	4579		Using icons			M	Press the button on the LCD.	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4580	0	Plain paper; Long size	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4580	1	Plain paper; Middle size	35	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4580	2	Plain paper; Short size1	35	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4580	3	Plain paper; ;Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4580	4	Plain paper; ;Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4581	0	Thick paper1 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4581	1	Thick paper1 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4581	2	Thick paper1 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4581	3	Thick paper1 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4581	4	Thick paper1 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4582	0	Thick paper2 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4582	1	Thick paper2 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4582	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4582	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4582	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4583	0	Thick paper2 ;Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4583	1	Thick paper2 ;Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4583	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4583	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4583	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4584	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4584	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4584	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4584	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4584	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4585	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4585	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4585	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4585	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4585	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4586	0	Thick paper2 ;Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4586	1	Thick paper2 ;Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4586	2	Thick paper2 ;Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4586	3	Thick paper2 ;Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4586	4	Thick paper2 ;Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4587	0	Long size(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4587	1	Middle size(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4587	2	Short size1(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4587	3	Short size2(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4587	4	Short size3(High speed)	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4588	0	Thick paper3(black)Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4588	1	Thick paper3(black)Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4588	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4588	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4588	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4589	0	Thick paper3(black)Long size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4589	1	Thick paper3(black)Middle size	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4589	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4589	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4589	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4590	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4590	1	Thick paper3(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4590	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4590	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4590	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4591	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4591	1	Thick paper3(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4591	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4591	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

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05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4591	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4592	0	Thick paper3(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4592	1	Thick paper3(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4592	2	Thick paper3(black)Short size1	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4592	3	Thick paper3(black)Short size2	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4592	4	Thick paper3(black)Short size3	38	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4593	0	Thick paper3(black)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4593	1	Thick paper3(black)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4593	2	Thick paper3(black)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4593	3	Thick paper3(black)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4593	4	Thick paper3(black)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4600	0	Plain paper; Long size(High speed/black)	22	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4600	1	Plain paper; Middle size(High speed/black)	26	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4600	2	Plain paper; Short size1(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4600	3	Plain paper; Short size2(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4600	4	Plain paper; Short size3(High speed/black)	27	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4601	0	Thick paper4(black)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4601	1	Thick paper4(black)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4601	2	Thick paper4(black)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4601	3	Thick paper4(black)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4601	4	Thick paper4(black)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4602	0	Thick paper4(black)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4602	1	Thick paper4(black)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4602	2	Thick paper4(black)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4602	3	Thick paper4(black)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4602	4	Thick paper4(black)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4603	0	Special paper1 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4603	1	Special paper1 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4603	2	Special paper1 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4603	3	Special paper1 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4603	4	Special paper1 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4604	0	Special paper2 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4604	1	Special paper2 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4604	2	Special paper2 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4604	3	Special paper2 ;Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4604	4	Special paper2 ;Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4605	0	Thick paper3(color)Long size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4605	1	Thick paper3(color)Middle size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4605	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4605	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	1st drawer	4605	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4606	0	Thick paper3(color)Long size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4606	1	Thick paper3(color)Middle size	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4606	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4606	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	2nd drawer	4606	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4607	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4607	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4607	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4607	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	3rd drawer	4607	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4608	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4608	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4608	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4608	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	4th drawer	4608	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4609	0	Thick paper3(color)Long size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4609	1	Thick paper3(color)Middle size	34	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4609	2	Thick paper3(color)Short size1	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4609	3	Thick paper3(color)Short size2	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Option LCF	4609	4	Thick paper3(color)Short size3	39	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4610	0	Thick paper3(color)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4610	1	Thick paper3(color)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4610	2	Thick paper3(color)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4610	3	Thick paper3(color)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4610	4	Thick paper3(color)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4611	0	Thick paper4(color)Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4611	1	Thick paper4(color)Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4611	2	Thick paper4(color)Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4611	3	Thick paper4(color)Short size2	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4611	4	Thick paper4(color)Short size3	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4612	0	Thick paper3(color)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4612	1	Thick paper3(color)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4612	2	Thick paper3(color)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4612	3	Thick paper3(color)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4612	4	Thick paper3(color)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4613	0	Thick paper4(color)Long size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4613	1	Thick paper4(color)Middle size	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4613	2	Thick paper4(color)Short size1	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4613	3	Thick paper4(color)Short size2	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	Bypass feeding	4613	4	Thick paper4(color)Short size3	35	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4615	0	Thick paper2 ;Long size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4615	1	Thick paper2 ;Middle size	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4615	2	Thick paper2 ;Short size1	30	0-63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4615	3	Thick paper2 ;Short size2	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Feeding system/Paper transport	Alignment position adjustment	ADU	4615	4	Thick paper2 ;Short size3	30	0~63	M	When the value increases by "1", the aligning amount increases by approx. 0.54 mm. <Paper length> Long size: 330 mm or longer Middle size: 220 mm to 329 mm Short size 1: 205 mm to 219 mm Short size 2: 160 mm to 204 mm Short size 3: 159 mm or shorter	4	Yes
05	Adjustment mode	Printer	Image control			4719		Forced color registration control			M	Forcibly performs the color registration control adjustment in order to eliminate the color deviation of Y, M, C and K colors.	6	Yes
05	Adjustment mode	Printer	Image control	Displaying parameters for color regist.		4720	0	Front & rear sides	0	0~255	M	Checks the cause of "CA00" error when it occurs. If the value of each bit is "0", it means normal. If the value of each bit is "1", it means abnormal. bit0: Y color rear side bit1: Y color front side bit2: M color rear side bit3: M color front side bit4: C color rear side bit5: C color front side bit6: K color rear side bit7: K color front side	10	Yes
05	Adjustment mode	Printer	Image control	Displaying parameters for color regist.		4720	1	Center	0	0~255	M	Checks the cause of a "CA00" error when it occurs. If the value of each bit is "0", it means normal. If the value of each bit is "1", it means abnormal. bit0: Y color center bit1: - bit2: M color center bit3: - bit4: C color center bit5: - bit6: K color center bit7: -	10	Yes
05	Adjustment mode	Printer	Maintenance			4721		Mirror motor initial excitation setting			M	Perform this adjustment when the laser unit or the SRAM on the LGC board has been replaced.	6	Yes
05	Adjustment mode	Printer	Image	Image void correction code	PPC (black)	4731	0	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PPC (color)	4731	1	Top margin	48	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (black)	4731	2	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT(color)	4731	3	Top margin	29	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PPC (black)	4731	4	Bottom margin	24	0~48	M	0.4 mm/10 step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Image	Image void correction code	PPC (color)	4731	5	Bottom margin	24	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT (black)	4731	6	Bottom margin	0	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Image	Image void correction code	PRT(color)	4731	7	Bottom margin	0	0~48	M	0.4 mm/10 step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer feed motor rotational speed		4740	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	0	Transport speed: Normal speed	160	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 1st drawer transport motor rotational speed		4741	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	3	Transport speed: High speed	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of 2nd drawer transport motor rotational speed		4742	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	0	Transport speed: Normal speed	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	1	Transport speed: Decelerated by 1/2	128	0~255	M	0.09%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	2	Transport speed: Decelerated by 1/3	128	0~255	M	0.08%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	3	Transport speed: High speed	128	0~255	M	0.07%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	5	Transport speed: Decelerated by 1/2 (Long size paper)	172	0~255	M	0.09%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M	0.08%/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	12	Transport speed: 1	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	13	Transport speed: 2	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	14	Transport speed: 3	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	15	Transport speed: 4	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	16	Transport speed: 5	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bypass feeding feed motor rotational speed		4743	17	Transport speed: 6	128	0~255	M	0.1%/step	4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	12	Transport speed: 1	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of reverse motor speed		4744	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	14	Transport speed: 3	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-1 rotational speed		4745	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	5	Transport speed: Decelerated by 1/2 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	6	Transport speed: Decelerated by 1/3 (Long size paper)	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	15	Transport speed: 4	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of Bridge unit transport motor-2 rotational speed		4746	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	3	Transport speed: High speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	12	Transport speed: 1	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	13	Transport speed: 2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	14	Transport speed: 3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	15	Transport speed: 4	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	16	Transport speed: 5	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of ADU motor-1 rotational speed		4747	17	Transport speed: 6	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	0	Transport speed: Normal speed	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	1	Transport speed: Decelerated by 1/2	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	2	Transport speed: Decelerated by 1/3	128	0~255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	3	Transport speed: High speed	128	0~255	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	12	Transport speed: 1	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	13	Transport speed: 2	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	14	Transport speed: 3	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	15	Transport speed: 4	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	16	Transport speed: 5	128	0-255	M		4	
05	Adjustment mode	Printer	Drive system	Fine adjustment of O-LCF motor rotational speed		4762	17	Transport speed: 6	128	0-255	M		4	
05	Adjustment mode	Printer	Laser	Fine adj. of image writing frequency	Adjustment of primary scanning direction reproduction ratio	4772		Normal speed; PRT	128	0-255	M	This adjustment is for all colors. When the value increases by "1", the reproduction ratio in the primary scanning direction is enlarged by approx. 0.05%.(0.1 mm / step)	1	Yes
05	Adjustment mode	Printer	Laser	Fine adj. of image writing frequency	Adjustment of primary scanning direction reproduction ratio	4773		Normal speed; PPC	128	0-255	M	This adjustment is for all colors. When the value increases by "1", the reproduction ratio in the primary scanning direction is enlarged by approx. 0.05%.(0.1 mm / step)	1	Yes
05	Adjustment mode	Printer	Laser			4782		Modulation adjustment for Y color image writing frequency (Partial adjustment of reproduction ratio in primary scanning direction)	256	0-512	M	When the value increases by "1", the reproduction ratio between the center and front sections of an image in the primary scanning direction is enlarged for approx. 0.003%.	1	
05	Adjustment mode	Printer	Feeding system/Paper transport			4784		Media sensor / Border value for plain paper 1 and plain paper 2	Refer to contents	0-255	M	3.22 mV/step <Default value> JPC: 32 Other: 27	1	
05	Adjustment mode	Printer	Feeding system/Paper transport	Setting method of drawer size		4800	0	1st drawer	Refer to contents	0-2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Setting method of drawer size		4800	1	2nd drawer	Refer to contents	0-2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	Feeding system/Paper transport	Setting method of drawer size		4800	2	3rd drawer	Refer to contents	0~2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Feeding system/Paper transport	Setting method of drawer size		4800	3	4th drawer	Refer to contents	0~2	SYS	0: Manual 1: Auto (mm) 2: Auto (inch) <Default value> NAD/NAC: 2 Others: 1	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Plain paper		4808	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 1		4809	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 2		4810	2	ADU	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	0	Drawer	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	1	Bypass feeding	0	-20~20	M	0.54 mm/step	4	
05	Adjustment mode	Printer	Aligning adjustment	Batch conversion/Thick paper 3		4811	2	ADU	0	-20~20	M	0.54 mm/step	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	0	Leading edge of the paper: 135 mm/s	128	100~156	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	1	Leading edge of the paper: 90 mm/s	128	86~170	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	2	Trailing edge of the paper: 135 mm/s	128	100~156	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer	2nd transfer	Pressure adjustment		4813	3	Trailing edge of the paper: 90 mm/s	128	86~170	M	For black: Thick paper 1, 2, 3 and 4 For color: Thick paper 1 and 2 The larger the value, the more the start of depressuring is delayed. The smaller the value, the earlier the start of depressuring. (0.54 mm/step)	4	Yes
05	Adjustment mode	Printer				4833		Recovery from toner empty/waste toner full			M	Perform this code to recover from toner empty/waste toner full.	6	
05	Adjustment mode	Printer	Laser	Laser correction		4837	0	Highlight	60	0~255	M	The larger the value is, the darker the density becomes. The smaller the value is, the lighter the density becomes.	4	
05	Adjustment mode	Printer	Laser	Laser correction		4837	1	Density of solid image	80	0~100	M	The larger the value is, the darker the density becomes. The smaller the value is, the lighter the density becomes.	4	
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(black)		7025		ADF	128	0~255	SYS	The larger the adjustment value is, the lighter the background becomes. The smaller the adjustment value is, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7033		Text/Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7034		Text	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7041		Text/Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7042		Text	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7043		Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7044		Gray scale	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7048		Photo	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7049		Gray scale	128	0~255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)	Black	7056		Text/Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7057		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7058		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7097		Text/photo	2	0~4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7098		Text	2	0~4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(auto color)	Auto color & black	7102		Text/Photo	2	0~4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(auto color)	Auto color & black	7103		Text	2	0~4	SYS	0: Faint text is suppressed most. 4: Smudged text is suppressed most.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7114		Text/photo	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7115		Text	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7117		Text/photo	20	0~255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7118		Text	20	0~255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7120		Text/photo	20	0~255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7121		Text	20	0~255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7123		Text/photo	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7124		Text	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	ADF noise reduction level setting	PPC(black)		7150		User custom	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	PPC(black)		7151		Text/photo	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	PPC(black)		7152		Text	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-7617) becomes larger. When the value increases, the effect of reducing streaks (set with 08-7617) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text/Photo	7190	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Text	7191	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Photo	7192	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	0	Beam level 0/4	0	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	1	Beam level 1/4	63	0~255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	2	Beam level 2/4	127	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	3	Beam level 3/4	191	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	PPC(black)		7212	4	Beam level 4/4	255	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7237		User custom	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7249		User custom	128	0-255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PPC(black)		7252		User custom	2	0-4	SYS	The larger the value, the more smudged text is suppressed. The smaller the value, the more faint text is suppressed.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Center value	7258		User custom	128	0-255	SYS	The larger the value, the darker the image of the center value becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Light step value	7261		User custom	20	0-255	SYS	The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Manual adjustment/Dark step value	7264		User custom	20	0-255	SYS	The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	PPC(black)	Automatic density adjustment	7267		User custom	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	User custom	7276	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Automatic density adjustment	7279		User custom	128	0-255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Black/Manual density adjustment	7280		User custom	128	0-255	SYS	The smaller the value, the darker the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7286		Text/Photo	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7287		Text	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(black)	Black/Manual density adjustment	7296		Gray scale	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	0	Black, Beamlevel 0/4	0	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	1	Black, Beamlevel 1/4	63	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	2	Black, Beamlevel 2/4	127	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	3	Black, Beamlevel 3/4	191	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Image	Setting beam level conversion for monochrome two value printing		7300	4	Black, Beamlevel 4/4	255	0~255	SYS	The smaller the value, the narrower the beam width becomes in the primary scanning direction and the smaller the dots are reproduced.	4	
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/1200dpi)		7302		PS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7305		PS(1200dpi)	6	0~9	SYS	The larger the value, the lighter the small letters or fine lines become and the less smudged text appears.	1	
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	0	PS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	1	PCL	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(black/600dpi)		7307	2	XPS	176	0~255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	0	Low density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	1	Medium density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/1200dpi	7309	2	High density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	0	Low density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/1200dpi	7310	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Smooth/600dpi	7315	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PS/Detail/600dpi	7316	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Smooth/600dpi	7317	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	PCL/Detail/600dpi	7318	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	0	Low density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	1	Medium density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Smooth/600dpi	7319	2	High density	128	0-255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	0	Low density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	1	Medium density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PRT(black)	XPS/Detail/600dpi	7320	2	High density	128	0~255	SYS	When the value increases, the density in the target area becomes higher.	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(black)	7322	2	XPS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(black)	7323	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(black)	7323	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7340		PS	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7341		PCL	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT(black)		7342		XPS	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Text	7360	0	Low density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Text	7360	1	Medium density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Text	7360	2	High density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Graphics	7361	0	Low density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Graphics	7361	1	Medium density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	PS/Graphics	7361	2	High density	128	0~255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/Graphics	7367	2	High density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/Image	7368	0	Low density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/Image	7368	1	Medium density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	Monochrome/600 dpi/Auto	XPS/Image	7368	2	High density	128	0-255	SYS	Larger the value, the density for the target area increases, and smaller the value, the density for the target area decreases.	4	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(black)		7400		Usercustom	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(black)		7401		Text/photo	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(black)		7402		Text	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(black)		7403		Photo	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(black)		7404		Gray scale	100	0-200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7416		Text/photo	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7417		Text	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7418		Photo	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7419		Gray scale	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7421		Text/photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7422		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7423		Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7424		Gray scale	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Automatic)	Black/Automatic density adjustment	7425		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	Range correction adjustment(Black/Manual)	Black/Manual density adjustment	7426		Usercustom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7430		Text/photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7431		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7432		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7433		Gray scale	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7444		Text/photo	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7445		Text	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7446		Photo	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7447		Gray scale	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7456		Text/photo	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7457		Text	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7458		Photo	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7459		Gray scale	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(black)		7470		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Manual adjustment/Center value	7475		User custom	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(black)	Automatic density adjustment	7478		User custom	128	0~255	SYS	The larger the value, the darker the image at the center value becomes.	1	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	User custom	7480	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Text/Photo	7485	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Photo	7487	2	High density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	0	Low density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	1	Medium density	128	0~255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Gamma balance adjustment	SCN(black)	Gray scale	7488	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	
05	Adjustment mode	Image Processing	Image			7489		Amount of surrounding void (network scanning)	0	0-255	SYS	When the value increases, the blank area around the scanned image becomes wider. (e.g.: In network scanning with 600 dpi, if the setting value is "1", the blank area increases by 1 dot.)	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7533		Text/photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7534		Text	128	0-255	SYS	The larger the value, the lighter the image at the center value becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Manual adjustment/Center value	7535		Photo	128	0-255	SYS	The larger the value, the darker the image at the center value becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Automatic density adjustment	7542		Text/photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	FAX(black)	Automatic density adjustment	7543		Photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	0	Beam level 0/4	0	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	1	Beam level 1/4	31	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	2	Beam level 2/4	63	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	3	Beam level 3/4	127	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Setting beam level conversion	FAX(black)		7594	4	Beam level 4/4	230	0-255	SYS	The smaller the value, the narrower the beam width becomes and the smaller the dots are reproduced.	4	Yes
05	Adjustment mode	Image Processing	Blank page judgment threshold adjustment			7618		PPC/SCN	128	0-255	SYS	The larger the value, the more the original tends to be judged as a blank page.	1	Yes
05	Adjustment mode	Image Processing	ACS judgment threshold			7630		PPC/SCN	70	0-255	SYS	The larger the value, the more the original tends to be judged as black even in the auto color mode. The smaller the value, the more it tends to be judged as color.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Printer LUT color transformation selection	PPC(color)		7640		User custom	Refer to contents	0~3	SYS	Sets the color conversion table which focuses on the reproduction of vermilion ink to the User mode. Use this code to improve the reproduction of vermilion ink. This code is enabled only when the value of 08-7614 is "1". 0: Text/Photo, Printed photo, text, map 1: Photo (developing paper) 2: Vermilion ink (lighter) 3: Vermilion ink (darker) <Default value> CND: 2 Others: 0	1	
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	0	High density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	1	Medium density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Selected 2colors	7641	2	Low density	128	0~255	SYS	The larger the value, the larger the area recognized as black in the original becomes. The smaller the value, the larger the area recognized as colors other than black becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	0	High density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	1	Medium density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Black area adj. in twin color copy mode	PPC(color)	Black and red	7642	2	Low density	128	0~255	SYS	The larger the value, the larger the area recognized as red in the original becomes. The smaller the value, the larger the area recognized as colors other than red becomes.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Magenta	7644	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Yellow	7645	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Yellow green	7646	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Cyan	7647	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Pink	7648	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Red	7649	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Orange	7650	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Green	7651	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	1	M	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	2	C	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color / twin color	Blue	7652	3	K	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying / twin color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	0	Y	128	0~255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	1	M	128	0-255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	2	C	128	0-255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Copy color adjustment	Mono color	Purple	7653	3	K	128	0-255	SYS	Performs the density adjustment for the specified color during mono color copying. The larger the value, the darker the density. The smaller the value, the lighter the density.	4	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7656		Text/photo	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7657		Text	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7658		Photo	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7659		Photo (developing paper)	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7660		Map	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background color transformation fine adjustment	Full color / auto color		7661		User custom	128	0-255	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Auto density adjustment	7667		Text/Photo	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Auto density adjustment	7668		Text	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Manual density adjustment	7669		Text/Photo	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(auto color)	Auto color & black/Manual density adjustment	7670		Text	1	0-1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Auto density adjustment	7676		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Auto density adjustment	7677		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Manual density adjustment	7678		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(black)	Auto color & black/Manual density adjustment	7679		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	ADF noise reduction	PPC(color)	User custom	7693		Enable/Disable setting	1	0-1	SYS	0: Disabled 1: Enabled	1	
05	Adjustment mode	Image Processing	ADF noise reduction	PPC(color)	Text/Photo	7694		Enable/Disable setting	1	0-1	SYS	0: Disabled 1: Enabled	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7727		Text/photo	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7728		Text	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7729		Printed image	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7730		Photo (developing paper)	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	Mono color	Automatic/Manual adjustment/Center value	7731		Map	128	0-255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7744		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7745		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7746		Printed image	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7747		Photo (developing paper)	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Automatic density adjustment	7748		Map	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7749		Text/Photo	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7750		Text	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7751		Printed image	128	0-255	SYS	The larger the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7752		Photo (developing paper)	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Full color/Manual density adjustment	7753		Map	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7754		Text/Photo	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7755		Text	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7756		Printed image	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7757		Photo (developing paper)	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7758		Map	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7759		Text/Photo	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7760		Text	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Twin color/Manual density adjustment	7761		Printed image	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Automatic density adjustment	7762		User custom	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	
05	Adjustment mode	Image Processing	Background adjustment	PPC(color)	Monocolor/Manual density adjustment	7763		User custom	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Full color	7764		ADF	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Mono color	7765		ADF	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	PPC(color)	Twin color	7766		ADF	128	0~255	SYS	The larger the value, the lighter the background becomes.	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7767		Text/photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7768		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7769		Printed image	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	

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05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7770		Photo	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7771		Map	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7772		Text/photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7773		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7774		Printed image	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7775		Photo	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7776		Map	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Automatic density adjustment	7777		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	PPC(color)	Full color/Manual density adjustment	7778		User custom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7795		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7796		Text/photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7797		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7798		Printed image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7799		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Full color	7800		Map	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes

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05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7806		Text/Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7807		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(color)	Auto color	7808		Photo	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PPC(black)		7809		Gray scale	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7811		Text/Photo	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7812		Text	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Black header density level adjustment	PPC(color)		7816		User custom	0	0~8	SYS	The larger the value, the darker the header becomes. The smaller the value, the lighter the header becomes.	1	Yes
05	Adjustment mode	Image Processing	Text/Photo reproduction level adjustment	PPC(color)		7840		Text/Photo	0	0~5	SYS	0: Default 1: Photo-oriented 2 (The reproduction level of printed image is higher than that of the Photo-oriented 1) 2: Photo-oriented 1 (The reproduction level of printed image is higher than that of the default setting) 3: Equivalent to the default setting 4: Text-oriented 1 (The reproduction level of text is higher than that of the default setting) 5: Text-oriented 2 (The reproduction level of text is higher than that of text-oriented 1)	1	Yes
05	Adjustment mode	Image Processing	Text/Photo reproduction level adjustment	PPC(color)		7841		User custom	0	0~5	SYS	0: Default 1: Photo-oriented 2 (The reproduction level of printed image is higher than that of the Photo-oriented 1) 2: Photo-oriented 1 (The reproduction level of printed image is higher than that of the default setting) 3: Equivalent to the default setting 4: Text-oriented 1 (The reproduction level of text is higher than that of the default setting) 5: Text-oriented 2 (The reproduction level of text is higher than that of text-oriented 1)	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Marker color adjustment			7850	0	PPC(color) "Y"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more reddish the color becomes, and the larger the value, the more greenish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	1	PPC(color) "M"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more bluish the color becomes, and the larger the value, the more reddish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	2	PPC(color) "C"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the more greenish the color becomes, and the larger the value, the more bluish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	3	PPC(color) "R"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the closer to Magenta the color becomes, and the larger the value, the more yellowish the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	4	PPC(color) "G"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value is, the more yellowish the color becomes, and the larger the value, the closer to Cyan the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Marker color adjustment			7850	5	PPC(color) "B"	3	0~6	SYS	The color of the one-touch adjustment "Marker" can be adjusted. The smaller the value, the closer to Cyan the color becomes, and the larger the value, the closer to Magenta the color becomes.	4	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7869		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PPC(color)	Color/Black	7871	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7889		Y	5	0~10	SYS	The larger the value, the darker the text becomes.	1	
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7890		M	5	0~10	SYS	The larger the value, the darker the text becomes.	1	
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7891		C	5	0~10	SYS	The larger the value, the darker the text becomes.	1	
05	Adjustment mode	Image Processing	Maximum text density adjustment	PPC(color)		7892		K	5	0~10	SYS	The larger the value, the darker the text becomes.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7902		Plain paper1	255	0~255	SYS	The smaller the value, the less toner is adhered to the high density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7903		Plain paper2	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7904		Recycled paper	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7905		Thick paper1	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7906		Thick paper2	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7907		Thick paper3	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7908		Thick paper4	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7909		Special paper1	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7910		Special paper2	255	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PPC(color)		7911		OHP film	240	0~255	SYS	The smaller the value, the less toner is adhered to the high-density section of the image.	1	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	0	Plain paper 1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	1	Plain paper 2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	3	Thick paper 1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	4	Thick paper 2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	5	Thick paper 3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	6	Thick paper 4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	7	Special paper 1	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	8	Special paper 2	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Maximum toner density threshold setting	PPC(color)		7913	9	OHP film	128	0-255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(black)	Gray scale	7956	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text/Photo	7957	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Text	7958	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	0	Low density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	1	Medium density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Gamma balance adjustment	PPC(auto color & black)	Photo	7959	2	High density	128	0-255	SYS	The larger the value, the darker the image of the area surrounding the target area becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "Y"	Text/Photo	7960	0	Low density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes

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05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Photo (developing paper)	7968	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "M"	Map	7969	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text/Photo	7970	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Text	7971	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo	7972	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo	7972	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo	7972	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Photo (developing paper)	7973	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "C"	Map	7974	2	High density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text/Photo	7975	0	Low density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	Text/Photo	7975	1	Medium density	128	0~255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	User custom	7983	1	Medium density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PPC(color) "K"	User custom	7983	2	High density	128	0-255	SYS	The target color, mode and density area become darker as the value increases.	4	Yes
05	Adjustment mode	Image Processing	Image			8002		Color reproduction level switchover for twin color	0	0-1	SYS	Selecting "0" gives the priority to the gradation level, but the density level of color texts becomes lighter. Selecting "1" gives the priority to the density level of color texts, but the gradation level becomes worse. 0: Gradation priority 1: Text reproduction priority	1	
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	600dpi	8004	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	0	Plain paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	1	Plain paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	2	Recycled paper			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	3	Thick paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	4	Thick paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	5	Thick paper3			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	6	Thick paper4			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	7	Special paper1			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT color	1200dpi	8005	8	Special paper2			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied for each media type.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color/600 dpi)		8008		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Automatic gamma adjustment	PRT(color/1200 dpi)		8009		All media types			SYS	When color deviation is found in gradation reproduction, the gradation reproduction of 4 colors can be corrected with the automatic gamma adjustment. The result of the correction above will be applied to all media types.	7	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Color/600 dpi	8010	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Color/600 dpi	8010	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Color/600 dpi	8010	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Twin color/600dpi	8011	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Twin color/600dpi	8011	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Twin color/600dpi	8011	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Monocolor/600dpi	8012	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Monocolor/600dpi	8012	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Smooth/Monocolor/600dpi	8012	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Color/600dpi	8013	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Color/600dpi	8013	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Color/600dpi	8013	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Twin color/600dpi	8014	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Twin color/600dpi	8014	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Twin color/600dpi	8014	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Monocolor/600dpi	8015	0	PS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Monocolor/600dpi	8015	1	PCL	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color	Detail/Monocolor/600dpi	8015	2	XPS	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT color		8016		Smooth/Color/1200dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(black)		8018		Smooth/Black/1200 dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
05	Adjustment mode	Image Processing	Background adjustment	PRT color		8019		Detail/Color/1200dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	PRT(black)		8021		Detail/Black/1200dpi	128	0~255	SYS	The larger the value, the darker the background becomes. The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Smooth/600dpi	8026	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Smooth/600dpi	8027	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Smooth/600dpi	8028	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Smooth/600dpi	8029	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PS/Detail/600dpi	8030	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PS/Detail/600dpi	8031	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PS/Detail/600dpi	8032	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PS/Detail/600dpi	8033	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Smooth/600dpi	8034	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Smooth/600dpi	8035	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Smooth/600dpi	8036	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Smooth/600dpi	8037	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	PCL/Detail/600dpi	8038	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	PCL/Detail/600dpi	8039	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Detail/600dpi	8040	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Detail/600dpi	8040	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	PCL/Detail/600dpi	8040	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Detail/600dpi	8041	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Detail/600dpi	8041	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	PCL/Detail/600dpi	8041	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PCL/Detail/600dpi	8065	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Image			8066		Color balance adjustment mode switchover(Network print)	0	0~1	SYS	Switches the image processing method for color balance adjustment for network printing by changing the default value "0" to "1" so that the density of solid images will become lighter along with the adjustment. 0: Adjusts color balance with the solid image density fixed 1: Adjusts color balance with the solid image density varied	1	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Detail	8070	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/600 dpi)	Smooth	8071	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	Yes
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Detail	8089	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	0	Plain paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	1	Plain paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	2	Recycled paper	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	3	Thick paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	4	Thick paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	5	Thick paper3	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	6	Thick paper4	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	7	Special paper1	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	8	Special paper2	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Toner density threshold adjustment	PRT(color/1200 dpi)	Smooth	8090	9	OHP film	128	0~255	SYS	The larger the value, the larger the maximum amount of toner to be adhered becomes. The smaller the value, the smaller the maximum amount of toner to be adhered becomes.	4	
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(color)	8102	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(color)	8102	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	e-BRIDGE	PRT(color)	8102	2	XPS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(color)	8103	0	PS	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Fine line enhancement switchover	EFI	PRT(color)	8103	1	PCL	1	0~1	SYS	0: OFF 1: ON	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/Red seal color	8109	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/Red seal color	8109	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/Red seal color	8109	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/General	8110	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/General	8110	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/General	8110	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Photograph	8111	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Photograph	8111	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Photograph	8111	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Presentation	8112	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Presentation	8112	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Presentation	8112	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Line art	8113	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Line art	8113	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT color	e-BRIDGE/PS/Line art	8113	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. If the value of 05-7322 is "0", the adjustment is applied to text, and if the value is "1", the adjustment is applied to text and others. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. If the value of 05-7322 is "0", the adjustment is applied to graphics, and if the value is "1", the adjustment is applied to thin text. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(black)	e-BRIDGE/PS	8118	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	0	Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	1	Graphics	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	PRT(color/black)	EFI/PS	8119	2	Image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes. 0: No adjustment	4	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT color		8130		PS	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT color		8131		PCL	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Smudged/faint text adjustment	PRT color		8132		XPS	0	0~8	SYS	The larger the value, the darker the small text and fine lines become and the more faint text is suppressed.	1	Yes
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PRT(color/600 dpi)		8145		OHP film	200	0~255	SYS	The larger the value, the density of the entire image increases (the darker the image becomes) and the permeability of the image decreases. The smaller the value, the density of the entire image decreases (the lighter the image becomes) and the permeability of the image increases. * Image offset may occur if the value is too large.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Maximum toner density adjustment	PRT(color/1200 dpi)		8149		OHP film	200	0~255	SYS	The larger the value, the density of the entire image increases (the darker the image becomes) and the permeability of the image decreases. The smaller the value, the density of the entire image decreases (the lighter the image becomes) and the permeability of the image increases. * Image offset may occur if the value is too large.	1	
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Smooth/600dpi	8150	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Smooth/600dpi	8151	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Smooth/600dpi	8152	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Smooth/600dpi	8153	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y" for two color printing	XPS/Detail/600dpi	8154	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M" for two color printing	XPS/Detail/600dpi	8155	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C" for two color printing	XPS/Detail/600dpi	8156	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K" for two color printing	XPS/Detail/600dpi	8157	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	0	PS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	1	PCL	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT color/two-color (600 dpi)		8160	2	XPS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	4	Yes
05	Adjustment mode	Image Processing	Upper limit value in toner saving mode	PRT(color/1200 dpi)		8161		PS	176	0-255	SYS	The smaller the value, the lighter the printed image becomes.	1	Yes
05	Adjustment mode	Image Processing	Screen switchover	e-BRIDGE		8176		PRT(color)	0	0~1	SYS	0: High screen ruling value (smoother image) 1: Low screen ruling value (rougher image)	1	Yes
05	Adjustment mode	Image Processing	Screen switchover	EFI		8179		PRT(color)	0	0~1	SYS	0: High screen ruling value (smoother image) 1: Low screen ruling value (rougher image)	1	Yes
05	Adjustment mode	Image Processing	Image	Screen switchover		8187		Monochrome graphics	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Image	Screen switchover		8188		Monochrome image	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Image	Screen switchover (EFI)		8190		Monochrome graphics	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Image	Screen switchover (EFI)		8191		Monochrome image	11	0~15	SYS	3: High screen ruling value (smoother image) 11: Low screen ruling value (rougher image) Only "3" and "11" are acceptable.	1	
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Text	8210	0	General	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Text	8210	1	Photo	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Text	8210	2	Presentation	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Text	8210	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Graphic	8211	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Graphic	8211	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Graphic	8211	2	Presentation	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Graphic	8211	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Image	8212	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Image	8212	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Image	8212	2	Presentation	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PCL/Image	8212	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	Twin color print/General	8213		Text	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	Twin color print/General	8214		Graphics	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	Twin color print/General	8215		Image	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	1	Yes
05	Adjustment mode	Image Processing	Black selection	PRT color	Twin color print	8218		Image	0	0-1	SYS	Sets whether the image on an original is printed in the color or the black mode. 0: OFF (printed in color) 1: ON (printed in black)	1	Yes
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	600dpi	8239	0	Default setting	0	0-3	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets whether automatic stroke adjustment is enabled or disabled if it is not included in the print data. If this setting is disabled, there will be an increase in cases in which the width of fine lines becomes thicker by 1 dot when they are printed. 0: Disabled 1: Enabled 2: Forcibly disabled (Ignores command in printing data) 3: Forcibly enabled (Ignores command in printing data)	4	
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	600dpi	8239	1	Minimum stroke width when disabled	2	1-2	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets the minimum width of fine lines when the automatic stroke adjustment is disabled. For example, if automatic stroke adjustment is disabled and the width of fine lines is set to "0" in the PS command, the width of the lines becomes 1 dot if the value of this code is set to "1"; equally, if it is set to "2", the width of the lines becomes 2 dots. 1: 1 dot 2: 2 dots	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	1200dpi	8239	2	Default setting	0	0~3	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets whether automatic stroke adjustment is enabled or disabled if it is not included in the print data. If this setting is disabled, there will be an increase in cases in which the width of fine lines becomes thicker by 1 dot when they are printed. 0: Disabled 1: Enabled 2: Forcibly disabled (Ignores command in printing data) 3: Forcibly enabled (Ignores command in printing data)	4	
05	Adjustment mode	Image Processing	Stroke adjustment	PS/PDF automatic stroke adjustment	1200dpi	8239	3	Minimum stroke width when disabled	2	1~2	SYS	This code is used to change the width of fine lines in PS and PDF printing. Automatic stroke adjustment is the function that prevents the width from changing according to the position. This code sets the minimum width of fine lines when the automatic stroke adjustment is disabled. For example, if automatic stroke adjustment is disabled and the width of fine lines is set to "0" in the PS command, the width of the lines becomes 1 dot if the value of this code is set to "1"; equally, if it is set to "2", the width of the lines becomes 2 dots. 1: 1 dot 2: 2 dots	4	
05	Adjustment mode	Image Processing	Line width minimum value adjustment	PRT color		8240		600dpi	2	1~9	SYS	The larger the value, the darker the fine lines become.	1	Yes
05	Adjustment mode	Image Processing	Line width minimum value adjustment	PRT color		8241		1200dpi	4	1~9	SYS	The larger the value, the darker the fine lines become.	1	
05	Adjustment mode	Image Processing	Image	Graphic line density adjustment(1200dpi)		8242	0	Gray (K)	3	0~5	SYS	The larger the value, the darker the fine lines become.	4	
05	Adjustment mode	Image Processing	Image	Graphic line density adjustment(1200dpi)		8242	1	Color (CMYK)	1	0~5	SYS	The larger the value, the darker the fine lines become.	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	0	Gray (K)lower limit value	1	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	1	Gray (K)upper limit value	200	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	2	Color (CMYK)lower limit value	1	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Image	Effective range of graphic line density adjustment(1200dpi)		8243	3	Color (CMYK)upper limit value	255	0~255	SYS	Sets the value in which 05-8242 is effective from the density range (0-255).	4	
05	Adjustment mode	Image Processing	Auto Trapping setting	PRT color	PS/Text, PS/Graphic	8244	0	Trapping width (dot)	3	1~3	SYS	Sets the value of width for Auto Trapping. When the value increases, the bigger gap is suppressed, but the overlap part becomes more visible. 1: 1 dot 2: 2 dot 3: 3 dot	4	
05	Adjustment mode	Image Processing	Auto Trapping setting	PRT color	PS/Text, PS/Graphic	8244	1	Trapping density (%)	0	0~3	SYS	Sets the value of density for Auto Trapping. When the value increases, the bigger gap is suppressed, but the overlap part becomes more visible. 0: 100% 1: 75% 2: 50% 3: 25%	4	
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Text	8249	0	General	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Text	8249	1	Photo	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Text	8249	2	Presentation	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Text	8249	3	Line art	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Text	8249	4	Advanced	8	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Graphic	8250	0	General	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Graphic	8250	1	Photo	1	1~255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Graphic	8250	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Graphic	8250	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Graphic	8250	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Image	8251	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Image	8251	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Image	8251	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Image	8251	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	XPS/Image	8251	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Text	8252	0	General	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Text	8252	1	Photo	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Text	8252	2	Presentation	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Text	8252	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Text	8252	4	Advanced	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Graphic	8253	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Graphic	8253	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Graphic	8253	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Graphic	8253	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Graphic	8253	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Image	8254	0	General	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Image	8254	1	Photo	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Image	8254	2	Presentation	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Image	8254	3	Line art	8	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Pure Black/Gray threshold adjustment	PRT color	PS/Image	8254	4	Advanced	1	1-255	SYS	The larger the value, the wider the range of colors to be replaced with black becomes. The smaller the value, the narrower the range becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Smooth/1200dpi	8268	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	0	Low density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	1	Medium density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Smooth/1200dpi	8269	2	High density	128	0-255	SYS	The larger the value, the darker only the target color becomes.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Smooth/1200dpi	8270	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Smooth/1200dpi	8271	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "Y"	PS/Detail/1200dpi	8272	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "M"	PS/Detail/1200dpi	8273	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "C"	PS/Detail/1200dpi	8274	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	0	Low density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	1	Medium density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Color balance adjustment	PRT(color) "K"	PS/Detail/1200dpi	8275	2	High density	128	0~255	SYS	The larger the value, the darker only the target color becomes.	4	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8310		Text	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8311		Printed image	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8312		Photo (developing paper)	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	Yes
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8315		Text	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8316		Printed image	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8317		Photo (developing paper)	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8320		Text	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8321		Printed image	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8322		Photo (developing paper)	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8325		Text	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8326		Printed image	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8327		Photo (developing paper)	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8330		Text	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8331		Printed image	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8332		Photo (developing paper)	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Automatic density adjustment	8334		User custom	1	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8335		Text	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8336		Printed image	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8337		Photo (developing paper)	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8340		Text	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8341		Printed image	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8342		Photo (developing paper)	128	0~255	SYS	The larger the value, the darker the image becomes.	1	Yes
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8344		Text	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8345		Printed image	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8346		Photo (developing paper)	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8348		Text	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8349		Printed image	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8350		Photo (developing paper)	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8361		Text	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8362		Printed image	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8363		Photo (developing paper)	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Range correction adjustment	SCN(color)	Full color/Manual density adjustment	8365		User custom	0	0~1	SYS	0: Background peak - Fixed 1: Background peak - Varied	1	
05	Adjustment mode	Image Processing	Background adjustment	SCN(color)		8370		User custom	50	0~50	SYS	The smaller the value, the lighter the background becomes.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Fine adjustment of black density	SCN(color)		8371		User custom	0	0~4	SYS	The larger the value, the darker the black side of the image becomes.	1	
05	Adjustment mode	Image Processing	RGB conversion method selection	SCN(color)		8372		User custom	0	0~3	SYS	Sets the color space format of the output image. 0: sRGB 1: AppleRGB 2: ROMMRGB 3: AdobeRGB	1	
05	Adjustment mode	Image Processing	Saturation adjustment	SCN(color)		8373		User custom	128	0~255	SYS	The larger the value, the brighter the image becomes. The smaller the value, the duller the image becomes.	1	
05	Adjustment mode	Image Processing	Sharpness adjustment	SCN(color)	Full color	8375		User custom	128	0~255	SYS	The larger the value, the sharper the image becomes. The smaller the value, the softer the image becomes and the less moire appears.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Center value	8380		User custom	128	0~255	SYS	The larger the value, the darker the image becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Light step value	8381		User custom	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the lighter the image of the "light" step becomes.	1	
05	Adjustment mode	Image Processing	Density adjustment	SCN(color)	Manual adjustment/Dark step value	8382		User custom	20	0~255	SYS	Sets the changing amount per step of the density adjustment buttons on the control panel. The larger the value, the darker the image of the "dark" step becomes.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8385		Text	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8386		Printed image	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8387		Photo (developing paper)	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Automatic density adjustment	8389		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8390		Text	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8391		Printed image	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8392		Photo (developing paper)	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(color)	Manual density adjustment	8394		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8400		Text/photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8402		Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8403		Gray scale	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Automatic density adjustment	8404		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8405		Text/photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8407		Photo	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8408		Gray scale	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	Background offset adjustment	SCN(black)	Manual density adjustment	8409		User custom	128	0~255	SYS	The larger the value, the less easily the background (low density area) is printed. The smaller the value, the more easily the background (low density area) is printed.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(color)		8412		User custom	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(color)		8414		Text	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(color)		8415		Printed image	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	Image Processing	ADF noise reduction level setting	SCN(color)		8416		Photo (developing paper)	100	0~200	SYS	When the value decreases, the effect of reducing streaks (set with 08-8300) becomes larger. When the value increases, the effect of reducing streaks (set with 08-8300) becomes smaller. When the value is too small, text might be blurry. When "0" is set, this function is disabled.	1	
05	Adjustment mode	System	Maintenance			9043		Equipment number (serial number) display			SYS	If this code is performed, 08-9601 is performed. 7 digits out of 9 digits can be entered except for upper 2 digits (fixed digits).	1	
05	Adjustment mode	System	Feeding system/Paper transport	Media sensor position adjustment		9092		Media sensor position adjustment			-	Checks the reference voltage of the media sensor while no paper is inserted between the tray and copy paper and adjusts the position of the sensor accordingly.	6	Yes
05	Adjustment mode	System	Image			9104		Compression quality of SLIM PDF background processing	5	0~10	SYS	0-10 0: High compression, low image quality 10: Low compression, high image quality	1	
05	Adjustment mode	System	Image			9107		Resolution of SLIM PDF background processing	1	0~3	SYS	0: 75dpi 1: 100dpi 2: 150dpi 3: 200dpi	1	
05	Adjustment mode	FAX	FAX			9850		Volume adjustment for telephone/fax ringtone	4	0~7	SYS	When the value is entered for this code the ring tone comes from the speaker at the set volume. The set value is stored when the [OK] button is pressed. (JP only)	12	
05	Adjustment mode	System	Maintenance			9960		Display of equipment information (SRAM)	Refer to contents	0~2	SYS	Displays the equipment information in SRAM. 0: Not set 1: Destinations other than NAD/NAC 2: NAD/NAC <Default value> NAD/NAC: 2 Others: 1	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			2002		Fuser unit error status counter	0	0~71	M	0: No error, 1: C411, 2: C412, 3: C443, 4: Not used, 5: C445, 6: C446, 7: C447, 8: C468, 9: C449, 10: Not used, 11: C471, 12: C472, 13: C473, 14: C480, 15: C481, 16: C474, 17: C490, 18: C468, 19: C449, 20: C468, 21: C449, 22: C449, 23: C449, 24: C447, 25: C449, 26: C468, 27: C449, 28: C468, 29: C449, 30: Not used, 31: Not used, 32: C448, 33: C467, 34: C467, 35 to 60: Not used, 61: C461, 62: C462, 63 to 69: Not used, 70: C464, 71: C464	1	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	0	Normal temperature	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	1	Low temperature	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	2	Normal temperature (when recovered from sleep mode)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature of the fuser unit at ready status (Heat roller/Center)		2009	3	Low temperature(when recovered from sleep mode)	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2010	0	Fusing temperature during printing (Manual adjustment / Center / Fuser belt / Plain paper1)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2010	1	Fusing temperature during printing (Manual adjustment / Center / Fuser belt / Plain paper1)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	0	Heat roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	1	Heat roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	2	Press roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Plain paper: Heater forced On time		2012	3	Press roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	1	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	2	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 1: Heater forced On time		2013	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 2: Heater forced On time		2014	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Transparency: Heater forced On time		2015	0	Heat roller	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Transparency: Heater forced On time		2015	1	Press roller	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	0	Heat roller: special paper 1, normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	1	Heat roller: special paper 2, normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	2	Press roller: special paper 1, normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	3	Press roller: special paper 2, normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	4	Heat roller: special paper 1, long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	5	Heat roller: special paper 2, long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	6	Press roller: special paper 1, long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Special paper: Heater forced On time		2016	7	Press roller: special paper 2, long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	0	Special paper 1 / Normal length paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	1	Special paper 2 / Normal length paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	2	Special paper 1 / Extra long size paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Fuser belt / Special paper)		2017	3	Special paper 2 / Extra long size paper	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	0	Special paper 1 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	1	Special paper 2 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	2	Special paper 1 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Center / Pressure roller / Special paper)		2019	3	Special paper 2 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	0	Special paper 1 / Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	1	Special paper 2 / Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	2	Special paper 1 / Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Special paper)		2020	3	Special paper 2 / Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 3)		2028	0	Normal length paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 3)		2028	1	Extra long size paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Heater forced On time		2029	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 3: Temperature setting to start error handling	Center and side thermistor	2030	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 3: Temperature setting to start error handling	Center and side thermistor	2030	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 3)		2031	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 3)		2031	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Threshold of number of sheets when heater is forced to turned on		2033	0	Heat roller	0	0~10	M	0: None 1: 5 sheets 2: 10 sheets 3: 15 sheets 4: 20 sheets 5: 30 sheets 6: 40 sheets 7: 50 sheets 8: 60 sheets 9: 80 sheets 10: 100 sheets	4	
08	Setting mode	Process	Fuser	Threshold of number of sheets when heater is forced to turned on		2033	1	Press roller	0	0~10	M	0: None 1: 5 sheets 2: 10 sheets 3: 15 sheets 4: 20 sheets 5: 30 sheets 6: 40 sheets 7: 50 sheets 8: 60 sheets 9: 80 sheets 10: 100 sheets	4	
08	Setting mode	Process	Fuser			2040		Drop control when ready	0	0~2	M	0: Invalid 1: Valid 2: Invalid in low temperature environment	1	
08	Setting mode	Process	Fuser	Drop temperature when ready		2041		Heat roller center	3	0~16	M	0: Invalid 1: Pattern 1 2: Pattern 2 3: Pattern 3 4: Pattern 4 5: Pattern 5 6: Pattern 6 7: Pattern 7 8: Pattern 8 9: Pattern 9 10: Pattern 10 11: Pattern 11 12: Pattern 12 13: Pattern 13 14: Pattern 14 15: Pattern 15 16: Pattern 16	1	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 1)		2049	0	Normal length paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 1)		2049	1	Extra long size paper	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 2)		2050	0	Normal length paper	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Fuser belt / Thick paper 2)		2050	1	Extra long size paper	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Fuser			2051		Fusing temperature during printing (Center / Fuser belt / OHP film)	11	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser			2052		Pre-running time for first printing (OHP film)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	1	
08	Setting mode	Process	Fuser			2053	0	Pre-running time for first printing (Plain paper/Low temperature environment)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser			2053	1	Pre-running time for first printing (Plain paper/Low temperature environment)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 1)		2054	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 1)		2054	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 2)		2055	0	Normal length paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 2)		2055	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Fuser motor speed of pre-running		2069	0	Warming up	1	0~3	M	0: High speed 1: Normal speed 2: Decelerating 1 3: Decelerating 2	4	
08	Setting mode	Process	Fuser	Fuser motor speed of pre-running		2069	1	Ready / contacted	1	0~3	M	0: High speed 1: Normal speed 2: Decelerating 1 3: Decelerating 2	4	
08	Setting mode	Process	Fuser	Fuser motor speed of pre-running		2069	2	Ready / released	3	0~3	M	0: High speed 1: Normal speed 2: Decelerating 1 3: Decelerating 2	4	
08	Setting mode	Process	Fuser	Fuser motor speed of pre-running		2069	3	Recovered from sleep mode/pre-warming	1	0~3	M	0: High speed 1: Normal speed 2: Decelerating 1 3: Decelerating 2	4	
08	Setting mode	Process	Fuser			2074		Pre-running time at print end	4	0~10	M	0: Invalid 1: 3 sec. 2: 5 sec. 3: 10 sec. 4: 15 sec. 5: 20 sec. 6: 25 sec. 7: 30 sec. 8: 40 sec. 9: 50 sec. 10: 60 sec.	1	
08	Setting mode	Process	Fuser	Thick paper 1: Temperature setting to start error handling	Center and side thermistor	2079	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Thick paper 1: Temperature setting to start error handling	Center and side thermistor	2079	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	0	Manual mode: Plain paper1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	1	Manual mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	2	Auto mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	3	Auto mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	4	Bypass feed (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	5	Manual mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	6	Manual mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	7	Auto mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	8	Auto mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (normal temperature environment)	Center and side thermistor	2080	9	Bypass feed (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 2: Temperature setting to start error handling	Center and side thermistor	2081	0	One-side printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Thick paper 2: Temperature setting to start error handling	Center and side thermistor	2081	1	Duplex printing	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	0	Black	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	1	Color	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	2	Thick paper 1, 2	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	3	Thick paper 3, 4	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	4	Special paper 1, 2	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	5	OHP film	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	6	Recycled/Black	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	7	Recycled/Color	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	8	Water proof paper special mode	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Plain paper/ Low temperature)		2085	9	Extra longsize paper	8	0~11	M	0: Disabled (always ON) 1: 0 min. 2: 0.5 min. 3: 1 min. 4: 2 min. 5: 3 min. 6: 5 min. 7: 7 min. 8: 10 min. 9: 15 min. 10: 30 min. 11: 60 min.	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	0	Manual mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	1	Manual mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	2	Auto mode: Plain paper 1 (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	3	Auto mode: Plain paper 2 (one-side printing)	8	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	4	Bypass feed (one-side printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	5	Manual mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	6	Manual mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	7	Auto mode: Plain paper 1 (duplex printing)	6	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	8	Auto mode: Plain paper 2 (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Plain paper: Temperature setting to start error handling (low temperature)		2087	9	Bypass feed (duplex printing)	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser			2088		Transparency: Temperature setting to start error handling	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser	Pre-running time for first printing in ready status		2098	0	At normal temperatures	0	0~10	M	0: 3 sec. 1: 6 sec. 2: 9 sec. 3: 12 sec. 4: 15 sec. 5: 4 sec. 6: 5 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 11 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing in ready status		2098	1	At low temperatures	0	0~10	M	0: 3 sec. 1: 6 sec. 2: 9 sec. 3: 12 sec. 4: 15 sec. 5: 4 sec. 6: 5 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 11 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Center / Pressure roller)		2124	0	Normal temperature	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Center / Pressure roller)		2124	1	Low temperature	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	0	First drop	15	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	1	Second drop	30	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser	Temperature drop switching time when ready (center)		2133	2	Third drop	60	2~60	M	Setting value * 1 (min.)	4	
08	Setting mode	Process	Fuser			2151	0	Fusing temperature during printing (Manual adjustment / Center / Pressure roller / Plain paper 1)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			2151	1	Fusing temperature during printing (Manual adjustment / Center / Pressure roller / Plain paper 1)(color)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 1)		2153	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 1)		2153	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 2)		2155	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 2)		2155	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 3)		2159	0	Normal length paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Center / Pressure roller / Thick paper 3)		2159	1	Extra long size paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			2161		Fusing temperature during printing (Center / Pressure roller / Overhead transparencies)	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	0	Plain paper	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	1	Thick paper 1 to 3, transparency, special paper 1 to 2	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Time setting to keep temperature for print operation at print end		2179	2	Recycled paper	0	0~10	M	0: Invalid 1: 10 sec. 2: 20 sec. 3: 30 sec. 4: 40 sec. 5: 50 sec. 6: 60 sec. 7: 90 sec. 8: 120 sec. 9: 150 sec. 10: 180 sec.	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	0	Heat roller center/BK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	2	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	3	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	4	Heat roller center/C or CK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	6	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	8	Heat roller center/BK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	10	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	11	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	12	Heat roller center/C or CK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	14	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/normal temperature environment)		2205	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	0	Heat roller center/BK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	2	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	3	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	4	Heat roller center/C or CK mode/one-side printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	6	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	8	Heat roller center/BK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	10	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	11	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	12	Heat roller center/C or CK mode/duplex printing	16	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	14	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Plain paper/Low temperature environment)		2206	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 1)		2208	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 2)		2209	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	0	Heat roller center/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	2	Press roller center/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	3	Press roller side/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	4	Heat roller center/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	6	Press roller center/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Temperature control lower limit (Thick paper 3)		2210	7	Press roller side/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 3)		2245	0	Fuser belt side	0	0~2	M	0: Invalid1: Valid only for 5 minutes after warming-up2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 3)		2245	1	Pressure roller side	0	0~2	M	0: Invalid1: Valid only for 5 minutes after warming-up2: Always valid	4	
08	Setting mode	Process	Fuser	Special paper: Temperature setting to start error handling	Center and side thermistor	2246	0	Special paper 1	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser	Special paper: Temperature setting to start error handling	Center and side thermistor	2246	1	Special paper 2	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	4	
08	Setting mode	Process	Fuser			2248		Threshold for pre-running application time at print end	2	0~10	M	0: None 1: 30 sec. 2: 60 sec. 3: 90 sec. 4: 120 sec. 5: 150 sec. 6: 180 sec. 7: 210 sec. 8: 240 sec. 9: 270 sec. 10: 300 sec.	1	
08	Setting mode	Process	Fuser	Fusing temperature in the low power mode		2255		Center/Pressure roller	9	0~25	M	0: OFF 1: 40°C 2: 45°C 3: 50°C 4: 55°C 5: 60°C 6: 65°C 7: 70°C 8: 75°C 9: 80°C 10: 85°C 11: 90°C 12: 95°C 13: 100°C 14: 105°C 15: 110°C 16: 115°C 17: 120°C 18: 125°C 19: 130°C 20: 135°C 21: 140°C 22: 145°C 23: 150°C 24: 155°C 25: 160°C	1	Yes
08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	0	Pressure roller/ Lower limit	0	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C	4	

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08	Setting mode	Process	Fuser	Allowable range correction	Ready status starting temperature after energy saving mode	2256	1	Pressure roller/ Upper limit	0	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	
08	Setting mode	Process	Transfer			2307		Setting of 2nd transfer bias table (for each destination/paper thickness)	Refer to contents	0~5	M	0: 80 g/m2 (21.3 lb.)/EUR 1: 75 g/m2 (20 lb.)/UC 2: 64 g/m2 (17.1 lb.)/JPN 3: - 4: - 5: - <Default value> MJD/MJC: 0 NAD/NAC: 1 Others: 2	1	
08	Setting mode	Process	Charger			2365		Main charger wire cleaning - cycle setting	2	0~9	M	0: Invalid 1: 500 pages 2: 1000 pages 3: 2000 pages 4: 3000 pages 5: 5000 pages 6: 7500 pages 7: 10000 pages 8: 20000 pages 9: 30000 pages	1	Yes
08	Setting mode	Process	Ozone suctioning fan			2370		High-speed rotation period in ready status	5	0~10	M	0: No control 1: 15 sec. 2: 20 sec. 3: 25 sec. 4: 30 sec. 5: 40 sec. 6: 50 sec. 7: 60 sec. 8: 90 sec. 9: 2 min. 10: 3 min.	1	Yes
08	Setting mode	Process	Charger			2380		Setting for control of drum rotation without fusing in standby mode	1	0~1	M	0: OFF 1: ON	1	
08	Setting mode	Process	Charger			2381		Starting time of drum rotation without fusing in standby mode	4	0~6	M	The drum starts rotating without fusing after the following period of time has passed since the start of the standby mode. 0: 1 minute and 30 seconds 1: 2 minutes and 50 seconds 2: 3 minutes and 50 seconds 3: 4 minutes and 50 seconds 4: 6 minutes and 50 seconds 5: 9 minutes and 50 seconds 6: 14 minutes and 50 seconds	1	
08	Setting mode	Process	General	Conditions of shifting to the sleep mode with fan driving		2385		Number of printed sheets	3	0~10	M	0: 250 sheets 1: 500 sheets 2: 750 sheets 3: 1000 sheets 4: 1500 sheets 5: 2000 sheets 6: 2500 sheets 7: 3000 sheets 8: 4000 sheets 9: 5000 sheets 10: 50000 sheets	1	
08	Setting mode	Process	General	Conditions of shifting to the sleep mode with fan driving		2386		Temperature condition	4	0~7	M	0: None (temperature condition is disabled) 1: 10 degrees C or less 2: 12 degrees C or less 3: 14 degrees C or less 4: 16 degrees C or less 5: 18 degrees C or less 6: 20 degrees C or less 7: 22 degrees C or less	1	
08	Setting mode	Process	Image control	Image quality		2486		Contrast voltage	1	0~1	M	Sets whether or not correcting the contrast voltage in image quality control. 0: Invalid 1: Valid	1	

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08	Setting mode	Process	Image control	Color/start-up of image quality control		2496		Period of time unattended	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image control	Color/start-up of image quality control		2498		Accumulated copied/printed number of sheets	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image control	Color/start-up of image quality control		2499		Start-up with change of drum temperature	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image control	Color/start-up of image quality control		2500		After the recovery from toner empty	2	0~2	M	0: Disabled 1: Mode 1 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2675. 2: Mode 2 is enabled * Maximum number of times for Vc closed-loop control correction is set by 05-2670.	1	
08	Setting mode	Process	Image control	Start-up of image quality control		2501		Start-up before calibration execution	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	Process	Image control	Image quality		2505		Auto start/Relative humidity difference	2	1~6	M	1: 5% 2: 10% 3: 15% 4: 20% 5: 25% 6: 30%	1	
08	Setting mode	Process	Image control	Image quality		2507		Auto start/Period of time unattended	11	0~15	M	Sets the unattended period of time to perform closed-loop control automatically at the start of operation when the equipment has not been used for a specified period of time in the energy saving mode. 0: 3 1: 5 2: 7 3: 10 4: 15 5: 20 6: 30 7: 45 8: 60 9: 90 10: 120 11: 150 12: 180 13: 240 14: 300 15: 360 (Unit: minute)	1	Yes
08	Setting mode	Process	Image control			2508		Image quality closed-loop control automatic start-up/Starting temperature for drum surface potential sensor control	7	3~50	M	Starts the drum surface potential sensor control when the drum thermistor temperature exceeds the default temperature since the last control.	1	
08	Setting mode	Process	Image control			2509		Image quality closed-loop control automatic start-up/Setting of accumulated print volume	1000	0~9999	M	Sets the number of accumulated print volume to perform closed-loop control when "1" or "2" (valid) is set in 08-2498. Image problems may occur if the value extremely smaller than the default value is set to the equipment whose print ratio of monochrome is relatively high. (unit: pages)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Normal speed)	Y	2513	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Normal speed)	M	2513	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Normal speed)	C	2513	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Normal speed)	K	2513	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 1)	Y	2514	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 1)	M	2514	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 1)	C	2514	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 1)	K	2514	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control			2515		Contrast voltage offset correction setting (High speed)	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	1	
08	Setting mode	Process	Image control	Laser power offset correction setting (Normal speed)		2525	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: \pm 0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μ W)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Normal speed)		2525	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: \pm 0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μ W)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Normal speed)		2525	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: \pm 0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μ W)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Normal speed)		2525	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: \pm 0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μ W)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 1)		2526	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 1)		2526	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 1)		2526	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 1)		2526	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control			2527		Laser power offset correction setting (High speed)	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	1	
08	Setting mode	Process	Image control	Abnormality detection		2528		(Y)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image control	Abnormality detection		2529		(M)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image control	Abnormality detection		2530		(C)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image control	Abnormality detection		2531		(K)Display/0 clearing	0	0~16	M	Counts the abnormality detection of image quality control. Accumulating total of [CE10], [CE20] and [CE40]	1	Yes
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 2)		2546	0	Y	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 2)		2546	1	M	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 2)		2546	2	C	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Contrast voltage offset correction setting (Decelerating 2)		2546	3	K	5	0~10	M	0: -80 1: -60 2: -40 3: -20 4: -10 5: 0 6: +10 7: +20 8: +40 9: +60 10: +80 (Unit: V)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 2)		2547	0	Y	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 2)		2547	1	M	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 2)		2547	2	C	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Laser power offset correction setting (Decelerating 2)		2547	3	K	5	0~10	M	0: -25 1: -20 2: -15 3: -10 4: -5 5: ±0 6: +5 7: +10 8: +15 9: +20 10: +25 (Unit: μW)	4	
08	Setting mode	Process	Image control	Potential on white background/Correction setting		2548	0	Y	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image control	Potential on white background/Correction setting		2548	1	M	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image control	Potential on white background/Correction setting		2548	2	C	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image control	Potential on white background/Correction setting		2548	3	K	5	0~10	M	Offset amount for 05-2651 0: -50 1: -40 2: -30 3: -20 4: -10 5: 0 6: 10 7: 20 8: 30 9: 40 10: 50 (Unit: V)	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2560	0	Y	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2560	1	M	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2560	2	C	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2560	3	K	0	0~3	M	Displays the number of drum surface potential sensor control abnormalities.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Image control			2561		Drum surface potential sensor control setting	Refer to contents	0~2	M	Sets whether drum surface potential sensor control is enabled or disabled. 0: Disabled 1: Enabled (Performed on Y/M/C/K station) 2: Enabled (Performed on K station) <Default value> e-STUDIO5560C/6560C: 0 e-STUDIO6570C: 2	1	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2577	0	Y	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2577	1	M	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2577	2	C	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image control	Number of drum surface potential sensor control abnormalities Counter setting		2577	3	K	0	0~2	M	Displays the number of drum surface potential sensor shutter closing control abnormalities.	4	
08	Setting mode	Process	Image control			2600		Pattern formation for image quality TRC control, Valid/Invalid	1	0~1	M	Sets whether to perform TRC control correction.0: Disabled 1: Enabled	1	
08	Setting mode	Process	Development			2670		Development Developer material replacement display	0	0~1	M	0: Displayed1: Not displayed	1	
08	Setting mode	Process	Development	Threshold for displaying replacement timing of developer material		2675	0	Y	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Development	Threshold for displaying replacement timing of developer material		2675	1	M	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Development	Threshold for displaying replacement timing of developer material		2675	2	C	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Development	Threshold for displaying replacement timing of developer material		2675	3	K	100	50~150	M	Sets the threshold for displaying the replacement timing (degree of degeneration) of developer material. When the message appears even if no defective image is printed, increase the threshold for approx. 10.	4	
08	Setting mode	Process	Development			2677		ON/OFF setting of toner refreshing behavior after being unattended	0	0~1	M	Sets whether toner refreshing behavior is performed or not depending on the unattended time of the equipment or change of humidity.0: Off 1: On	1	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended		2678	0	Display of number of level 1 executions	0	0~9999	M	Displays the number of level 1 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended		2678	1	Display of number of level 2 executions	0	0~9999	M	Displays the number of level 2 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended		2678	2	Display of number of level 3 executions	0	0~9999	M	Displays the number of level 3 executions of toner refreshing behavior after being unattended.	4	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	0	Level 1	2	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 1 toner refreshing after leaving.	4	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	1	Level 2	4	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 2 toner refreshing after leaving.	4	
08	Setting mode	Process	Development	Display of number of executions for toner refreshing behavior after being unattended	Setting of number of repeated executions	2679	2	Level 3	6	1~8	M	Sets the number of toner refresh patterns to be printed on the transfer belt in level 3 toner refreshing after leaving.	4	
08	Setting mode	Process	Refreshing mode	Prevention of color toner low density		2680		Forcible discharge mode of developer material	1	0~1	M	0: OFF 1: ON * Do not set this code to "0" (OFF) if the print ratio of monochrome is high. Density of color toner may decrease.	1	
08	Setting mode	Process	Development	Threshold to start up refreshing L		2682	0	Print ratio (equivalent)	32	0~999	M	Equivalent to time/ equivalent to number of sheets	4	
08	Setting mode	Process	Development	Threshold to start up refreshing L		2682	1	Offset	0	0~999	M	Equivalent to time/ equivalent to number of sheets	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Development			2694		Forcible discharge of developer material / Discharging period	2	0~4	M	0: 30 sec.1: 1 min.2: 2 min.3: 4 min.4: 6 min.	1	
08	Setting mode	Process	Development			2695		Forcible discharge of developer material/ Threshold for 2nd judgment	65	30~100	M		1	
08	Setting mode	Scanner				3015		Pre-scan setting switchover	0	0~1	SYS	0: Not performing pre-scanning 1: Performing pre-scanning	1	Yes
08	Setting mode	Scanner	RADF			3017		Automatic A4/LT detection	0	0~1	SYS	0: A4/LT detected 1: A4/LT not detected	1	
08	Setting mode	Scanner	RADF			3021		Set for switchback-mixed size copy	0	0~1	SYS	This setting is whether the original length is detected or not by transporting without scanning in reverse when A4-R/FOLIO paper or LT-R/LG paper is detected in a mixed size copying. 0: Disabled - AMS: A series - Judges as A4-R without transporting in reverse with no scanning. LT series - Judges whether it is LT-R or LG by its length without transporting in reverse with no scanning. APS: A series - Judges whether it is A4-R or FOLIO without transporting in reverse with no scanning. LT series - Judges whether it is LT-R or LG without transporting in reverse with no scanning. 1: Enable 1 AMS: A series - Judges whether it is A4-R or FOLIO by Transporting without scanning in reverse to detect its length. LT series - Judges whether it is LT-R or LG by transporting without scanning in reverse to detect its length. APS: The same as that of APS in 0: Disabled.	1	Yes
08	Setting mode	Scanner				3025		Correction of carriage position	2	0~2	SYS	0: No correction 1: Performs correction before scanning 2: Performs correction after scanning	1	
08	Setting mode	Scanner	RADF			3075		Allowing of trailing edge adjustment of scanning	0	0~1	SYS	0: Not allowed 1: Allowed	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Card reading device		3500		Device setting	0	0~4294967 295	SYS	To enable the e-Bridge ID Gate, a card reading device should be set in the order of "ABYYZZZZ". (Enter the corresponding values to "A", "B", "YY" and "ZZZ".) - AB: Special setting - A: Debugging NIC 0: Not used 1: Used - B: Interface 0: USB connection 1: Serial connection (KP-2003 only) - YY: Authentication 00: No authentication using card 03: Mifare (KP-2005 only) 04: HID (KP-2004 only) 06: KB Emulation I/F Reader 07: 3Track Magnetic Swipe Reader 09: 2Track Magnetic Swipe Reader - ZZZ: Sub-code (Specifies the usage type of card ID) 0000: No authentication using card 0001: IDm (Felica/NFC-Felica) and (or) UID (Mifare/NFC-Mifare) 0002: Data (Felica/NFC-Felica/Mifare/NFC-Mifare) 0003: SSFC mode	5	Yes
08	Setting mode	System	User interface	Card reading device		3501		Format information 1	0	0~4294967 295	SYS	To access the data in the noncontact IC card, the Key Information "LLLL" and the Sector Number "MMMM" should be set. The "LLLL" should be set first, and then "MMMM". <KP-2005> LLLL: Key information MMMM: Sector number (hexadecimal number)	5	Yes
08	Setting mode	System	User interface	Card reading device		3502		Format information 2	0	0~4294967 295	SYS	The data of the block number in the noncontact IC is set. <KP-2005> RRBSEbse (hexadecimal number) RR: 00 (Fixed) B: 1st area block number S: 1st area beginning byte offset E: 1st area ending byte offset b: 2nd area block number s: 2nd area beginning byte offset e: 2nd area ending byte offset * If the 2nd block/area is not used, set the SSTU to "FFFF" (hexadecimal number), the bse to "FFF" (hexadecimal number).	5	Yes
08	Setting mode	System	User interface	Card reading device		3503		Format information 3	0	Refer to contents	SYS	Security key "KKKKKKKKKKKK" (12 digits) <hexadecimal number> in the [Key Information] of the [Sector Number] set in the code 08-3501 should be entered. <Acceptable value> 0-0xFFFFFFFFFFFFFFFF	5	Yes
08	Setting mode	System	User interface	Card reading device		3504		Card authentication LDAP server	0	0~100	SYS	LDAP server number for the card authentication when a noncontact IC card is used should be set.	1	
08	Setting mode	System	General	Available profile display		3600	0	BP_IS34_00.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		3600	47	BP_IS34_47.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	48	BP_IS34_48.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	49	BP_IS34_49.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	50	BP_IS34_50.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	51	BP_IS34_51.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	52	BP_IS34_52.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General	Available profile display		3600	53	BP_IS34_53.icc			SYS	Displays PG DevicePureGrayTRC attribute for the current RGBInkSim profile and the same sub-code.	14	
08	Setting mode	System	General			3601		Recovery of the profile at the shipment	0	0-53	SYS	Recovers the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General			3602		Copying the profile at the shipment to USB memory	0	0-53	SYS	Copies the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code to the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3603		Updating the profile at the shipment from UBS memory	0	0-53	SYS	Uploads the default RGBInkSim profile and PG DevicePureGrayTRC in the same sub-code from the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	0	BP_IS34_00.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	1	BP_IS34_01.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	2	BP_IS34_02.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	3	BP_IS34_03.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	4	BP_IS34_04.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	5	BP_IS34_05.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	6	BP_IS34_06.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	7	BP_IS34_07.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	8	BP_IS34_08.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	9	BP_IS34_09.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	10	BP_IS34_10.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	11	BP_IS34_11.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	12	BP_IS34_12.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	13	BP_IS34_13.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	14	BP_IS34_14.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	15	BP_IS34_15.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	16	BP_IS34_16.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	17	BP_IS34_17.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	18	BP_IS34_18.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	19	BP_IS34_19.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	20	BP_IS34_20.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	21	BP_IS34_21.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	22	BP_IS34_22.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	23	BP_IS34_23.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	24	BP_IS34_24.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	25	BP_IS34_25.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	26	BP_IS34_26.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	27	BP_IS34_27.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	28	BP_IS34_28.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	29	BP_IS34_29.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	30	BP_IS34_30.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	31	BP_IS34_31.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	32	BP_IS34_32.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	33	BP_IS34_33.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	34	BP_IS34_34.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	35	BP_IS34_35.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	36	BP_IS34_36.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	37	BP_IS34_37.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	38	BP_IS34_38.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	39	BP_IS34_39.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	40	BP_IS34_40.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	41	BP_IS34_41.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	42	BP_IS34_42.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	43	BP_IS34_43.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	44	BP_IS34_44.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	45	BP_IS34_45.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	46	BP_IS34_46.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	47	BP_IS34_47.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	48	BP_IS34_48.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	49	BP_IS34_49.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	50	BP_IS34_50.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	51	BP_IS34_51.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	52	BP_IS34_52.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3604	53	BP_IS34_53.000			SYS	Displays the default RGBInkSim profile and PG DevicePureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General			3605		Making the profile available	0	0~53	SYS	Selecting a profileOverwrites the adjusted RGBInkSym profile on the current area (PG CIEBasedPureGrayTRC in the same sub-code is overwritten to the current area.) 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3606		Copying the adjusted profile to USB memory	0	0~53	SYS	Copies the adjusted RGBInkSim profile and PG CIEBasedPureGrayTRC in the same sub-code to USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General			3607		Uploading the adjusted profile from USB memory	0	0~53	SYS	Uploads the adjusted RGBInkSim profile and PG CIEBasedPureGrayTRC in the same sub-code from the USB memory. 0: BP_IS34_00 1: BP_IS34_01 2: BP_IS34_02 3: BP_IS34_03 4: BP_IS34_04 5: BP_IS34_05 6: BP_IS34_06 7: BP_IS34_07 8: BP_IS34_08 9: BP_IS34_09 10: BP_IS34_10 11: BP_IS34_11 12: BP_IS34_12 13: BP_IS34_13 14: BP_IS34_14 15: BP_IS34_15 16: BP_IS34_16 17: BP_IS34_17 18: BP_IS34_18 19: BP_IS34_19 20: BP_IS34_20 21: BP_IS34_21 22: BP_IS34_22 23: BP_IS34_23 24: BP_IS34_24 25: BP_IS34_25 26: BP_IS34_26 27: BP_IS34_27 28: BP_IS34_28 29: BP_IS34_29 30: BP_IS34_30 31: BP_IS34_31 32: BP_IS34_32	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	0	BP_IS34_00.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	1	BP_IS34_01.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	2	BP_IS34_02.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	3	BP_IS34_03.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	4	BP_IS34_04.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	5	BP_IS34_05.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	6	BP_IS34_06.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	7	BP_IS34_07.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	8	BP_IS34_08.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	9	BP_IS34_09.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	10	BP_IS34_10.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	11	BP_IS34_11.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	12	BP_IS34_12.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	13	BP_IS34_13.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	14	BP_IS34_14.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	15	BP_IS34_15.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	16	BP_IS34_16.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	17	BP_IS34_17.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	18	BP_IS34_18.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	19	BP_IS34_19.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	20	BP_IS34_20.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	21	BP_IS34_21.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	22	BP_IS34_22.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	23	BP_IS34_23.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	24	BP_IS34_24.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	25	BP_IS34_25.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	26	BP_IS34_26.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	27	BP_IS34_27.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	28	BP_IS34_28.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	29	BP_IS34_29.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	30	BP_IS34_30.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	31	BP_IS34_31.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	32	BP_IS34_32.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	33	BP_IS34_33.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	34	BP_IS34_34.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	35	BP_IS34_35.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	36	BP_IS34_36.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	37	BP_IS34_37.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	38	BP_IS34_38.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	39	BP_IS34_39.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	40	BP_IS34_40.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	41	BP_IS34_41.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	42	BP_IS34_42.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	43	BP_IS34_43.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	44	BP_IS34_44.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	45	BP_IS34_45.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	46	BP_IS34_46.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	47	BP_IS34_47.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	48	BP_IS34_48.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	49	BP_IS34_49.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	50	BP_IS34_50.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	51	BP_IS34_51.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	52	BP_IS34_52.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		3608	53	BP_IS34_53.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General			3612		Date of unpacking		13 digits	SYS	Year/month/date/day/hour/minute/second Example: 03 07 01 3 13 27 48 "Day" - "0" is for "Sunday". Proceeds Monday through Saturday from "1" to "6".	11	Yes
08	Setting mode	System	General			3615		List print USB storage setting	0	0~1	SYS	0: Enable (USB storage available) 1: Disable (USB storage not available)	1	
08	Setting mode	System	General			3619		Clearing of service history list file			SYS	Initializes the service history list file.	3	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Real time log notification function		3623		Job filtering setting	0	0~65535	SYS	Changes the target type of jobs for notification in real time log notification function.	1	
08	Setting mode	System	General	Real time log notification function		3624		Log item filtering setting	2147483921	0~4294967295	SYS	Changes target log items for notification in real time log notification function.	5	
08	Setting mode	System	General	Real time log notification function		3626		Department information transmission setting of real time log notification function	0	0~1	SYS	Sets whether the department information (number, name, code) is transmitted or not in the real time log notification function. 0: Department number, department name, department code 1: Department number, department name	1	
08	Setting mode	System	General			3628		Enable/Disable setting of standard data overwrite function	1	0~1	SYS	0: Disabled 1: Enabled * This code is valid for NAD/NAC only.	1	
08	Setting mode	System	General			3629		Enable/Disable setting of standard EWB function	1	0~1	SYS	0: Disabled 1: Enabled * This code is valid for NAD/NAC, MJD and AUD only.	1	
08	Setting mode	System	Network			3631		Remote Access (SNMP)	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			3635		Trial copy function	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	Internet Fax		3637		Addition of transmission header	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	Internet Fax		3638		Addition of receiving record	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	Internet Fax		3639		Adding method of transmission header	1	1~2	SYS	1: Overwriting inside the image (5 mm from the top) 2: Adding outside the image (5 mm from the top)	1	Yes
08	Setting mode	System	Network	MDS	Authentication	3640		Authentication of MDS system	0	0~1	SYS	0: Disabled (Normal mode) 1: Enabled (MDS authentication mode) * If the EWB license has not been installed at startup, this code becomes "0".	1	
08	Setting mode	System	Network	MDS	Authentication	3641		Display in TopAccess	0	0~1	SYS	Sets whether the information of MDS Authentication will be displayed or not in TopAccess and control panel. 0: Non display 1: Display * When "1" is set in 3640, the setting value of this code becomes "1" accordingly. The setting value cannot be changed to "0".	1	
08	Setting mode	System	Network			3642	0	User authentication setting for NW print/NW fax/Internet fax function	0	0~4	SYS	0: Authentication with user name and domain name 1: No authentication control in the equipment 2: Authentication with user name 3: Authentication with domain participation information 4: Authentication with an external application	4	
08	Setting mode	System	Network	WS scan		3642	2	Disabling job authentication/permission check/Quota check	0	0~4	SYS	0: Performs job authentication, permission check and Quota check. 1: Does not perform job authentication, permission check and Quota check. 4: Authentication with an external application	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	NW print/NW Fax/Internet Fax	User authentication setting		3642	3	Remote Scan	0	0~4	SYS	0: Normal authentication 4: Authentication with an external application	4	
08	Setting mode	System	NW print/NW Fax/Internet Fax	User authentication setting		3642	4	Client Application	0	0~4	SYS	0: Normal authentication 4: Authentication with an external application	4	
08	Setting mode	System	NW print/NW Fax/Internet Fax	User authentication setting		3642	5	TopAccess	0	0~4	SYS	0: Normal authentication 4: Authentication with an external application	4	
08	Setting mode	System	User interface			3643		Filtering condition for job list on the panel	1	0~1	SYS	0: Filtered with user name 1: Filtered with domain name and user name * This code is valid only when the value of 08-3642-0 is "1".	1	
08	Setting mode	System	General			3644		Login restriction for reissued card	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication setting		3646		Copy	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication setting		3647		FAX	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication setting		3648		Printer/e-Filing	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication setting		3649		Scanning	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	User authentication setting		3650		List print	1	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			3651		Authentication method for administrator	1	0~1	SSDK	0: Only password 1: User name and password	1	
08	Setting mode	System	User interface			3652		Switchover of card reader display on the control panel	0	0~1	SYS	Switches the display on the control panel (authentication screen) depending on the connected card reader. 0: Non-contact type 1: Card insertion type	1	
08	Setting mode	System	General			3653		Judgment timing for continuous printing	0	0~1	SYS	Sets the timing for judging whether following job is printed continuously or not. 0: Consumable life priority (Judging whether the following job exists or not by printing of last page of preceding job) 1: Printing performance priority (Judging whether the following job exists or not by ejection of last page of preceding job) * Although continuous printing is performed more frequently when the value of this code is set to "1", the life of consumables may be affected. This setting is not applied to printing with the EFI controller.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Feeding system/Paper transport			3657		List/report printing from the drawer specified for "FAX"	0	0~1	SYS	Sets to feed the paper from a drawer whose attribute is specified to "FAX" when a list or report is printed. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	InternetFax		3658		To/Bcc Destination	0	0~1	SYS	Switches the destination of an internet fax to be sent to To or Bcc. 0: To 1: Bcc	1	
08	Setting mode	System	FAX			3659		Image position and size setting at the time of forwarding received fax jobs	1	0~2	SYS	This setting is applied only when a received fax job is forwarded with a pdf format file. 0: Sets to select the paper size from the drawers in which paper is loaded by corresponding to an image size. The image position is the upper part of the paper. 1: Sets to select the paper size from the drawers in which paper is loaded by corresponding to an image size. The image position is the center part of the paper. 2: Sets to select a standard size paper corresponding to an image size. The image position is the upper part of the paper. - If "FAX" has been set as the attribute of a drawer, its paper size will be applied when "0" or "1" is selected.	1	Yes
08	Setting mode	System	FAX			3661		Fax operation setting during off-hook transmission	1	0~2	SYS	0: Transmission is not operable during off-hook 1: Direct transmission is operable during off-hook 2: Transmission is operable during off-hook	1	
08	Setting mode	System	Scanning			3662		Waiting period for continue after the RADF scanning	0	0~1	SYS	0: Disabled 1: Enabled * When "Enabled" is set, the screen to notify continuity appears for 1 second after RADF scanning has been completed.	1	
08	Setting mode	System				3666		Process of user authentication(ShimpleBind)	0	0~1	SSDK	0: Normal process 1: Special process	1	
08	Setting mode	System				3667		Addition of the QR code to the total counter list	Refer to contents	0~1	SYS	0: Disabled 1: Enabled <Default value> JPC: 1 Others: 0	1	Yes
08	Setting mode	System	Department management			3669		Department management setting(UserFunction)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User authentication			3670		User management setting(UserFunction)	0	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System				3672		Setting for each debug log file size	0	0~1	SYS	0: 5M 1: 10MB	1	
08	Setting mode	System	Self-diagnostic codes in one-go setting			3673		In one-go setting from a USB storage device			-	When processing is carried out, a setting file is read from a USB storage device and the setting values of the self-diagnostic codes listed in the setting file are written sequentially.	3	Yes
08	Setting mode	System	Network			3674		Specifying whether to display the network timeout error page on the EWB or not	0	0~1	SYS	0:Not displayed 1:Displayed	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Security			3676		Change of Remote-access-service user password	#1048#toshiba		SSDK	Maximum 65 letters Sets a password for a built-in user "Remote-access-service".	11	
08	Setting mode	System	User interface	Display/non-display of the setting section		3677	0	EWB access authorization setting	1	0~1	SSDK	0: Not displayed 1: Displayed	4	
08	Setting mode	System	User interface	Display/non-display of the setting section		3677	1	USB direct printing authorization setting	1	0~1	SSDK	0: Not displayed 1: Displayed	4	
08	Setting mode	System	FAX			3678		Default address book	0	0~1	SYS	Selects the address book to be displayed as default. 0: Local address book 1: Shared address book	1	Yes
08	Setting mode	System	Confidentiality			3681		Job Status/Job Log	1	0~3	SYS	0: Disabled 1: Only job status is made confidential. 2: Only job log is made confidential. 3: The job status and jog log are made confidential.	1	
08	Setting mode	System	Confidentiality			3682	0	User information	0	0~1	SYS	0: Does not make confidential. 1: Makes confidential.	4	
08	Setting mode	System	Confidentiality			3682	1	Send to information	0	0~1	SYS	0: Does not make confidential. 1: Makes confidential.	4	
08	Setting mode	System	Confidentiality			3682	2	Send from information	0	0~1	SYS	0: Does not make confidential. 1: Makes confidential.	4	
08	Setting mode	System	Confidentiality			3682	3	Agent information	0	0~1	SYS	0: Does not make confidential. 1: Makes confidential.	4	
08	Setting mode	System	Address book			3683		Setting of accessible/inaccessible from the outside	0	0~1	SYS	Sets whether or not to allow the access to the address book from the outside (*). * Outside: TopAccess, Outputmanagement I/F, MIB, Client application 0: Allowed 1: Not allowed	1	
08	Setting mode	System	Network			3702		Logon User Name of Windows Domain Authentication			NIC	Maximum 128 letters	12	
08	Setting mode	System	Network			3704		PDC2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3705		BDC2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3706		PDC3 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3707		BDC3 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3719		Windows domain No. 2 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3720		Windows domain No. 3 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			3721		AppleTalk Device Name	MFP's serial number		-	Maximum 32 letters "MFP's serial number" is set as default. Perform 08-9083 to set the default value.	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			3722		PDC/BDC timeout value of Windows Domain Authentication (Unit: Seconds)	60	1~180	NIC	Applied to the device authentication	12	
08	Setting mode	System	Network			3723		User authentication PDC/BDC time-out period (Unit: Seconds)	30	1~180	NIC	Applied to the user authentication	12	
08	Setting mode	System	Network	Windows domain authentication method	User authentication	3724	0	Setting for User authentication	1	1~4	NIC	Sets the Windows domain authentication method for device authentication, user authentication. When the setting of the domain authentication method is unknown, sets the value of this code to "1" (Auto). 1: Auto 2: Kerberos 3: NTLMv2 4: NTLMv2	4	
08	Setting mode	System	Network	Windows domain authentication method	Scan to SMB/Windows Logon	3724	1	Setting for Scan to SMB/Windows Logon	5	1~5	NIC	Sets the authentication method of the SMB client (Scan to SMB/Windows logon). 1: Kerberos/NTLMv1 2: Kerberos 3: NTLMv2 4: NTLMv1 5: Kerberos/NTLMv2 * If an SMB server to which Scan to SMB is connected does not support the NTLMv2 authentication, change this code to "1" (Kerberos/NTLMv1). * If "1" (Kerberos/NTLMv1) is set, connection to Mac OS X 10.10 or later becomes disabled.	4	
08	Setting mode	System	Network			3725		IPP max connection	16	1~16	NIC		12	
08	Setting mode	System	Network			3726		IPP active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3727		LPD max connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3728		LPD active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3729		ATalk PS max Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3730		ATalk PS active Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3731		Raw TCP max Connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3732		Raw TCP active connection	10	1~16	NIC		12	
08	Setting mode	System	Network			3736		DNS client TimeOut	5	1~180	NIC	Use when a timeout occurred at DNS client connection	12	
08	Setting mode	System	Network			3739		FTP Client TimeOut (SCAN)	30	1~180	NIC	Use when a timeout occurred at DNS client connection	12	
08	Setting mode	System	Network			3743		LDAP client TimeOut	5	1~180	NIC	Use when a timeout occurred at LDAP client connection	12	
08	Setting mode	System	Network	DPWS		3754		Switching printer setting	1	1~2	NIC	DPWS printer function is switched. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	DPWS		3755		Switching DPWS Scanner setting	1	1~2	NIC	DPWS scanner function is switched. 1: Enabled 2: Disabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	DPWS		3757		DPWS Discovery Port Number	3702	1~65535	NIC	Port number used for DPWS Discovery	12	
08	Setting mode	System	Network	DPWS		3758		DPWS Metadata Exchange Port Number	50081	1~65535	NIC	Port number used for DPWS Metadata Exchange	12	
08	Setting mode	System	Network	DPWS		3759		DPWS Print Port Number	50082	1~65535	NIC	Port number used for DPWS Print	12	
08	Setting mode	System	Network	DPWS		3760		DPWS Scan Port Number	50083	1~65535	NIC	Port number used for DPWS Scan	12	
08	Setting mode	System	Network	DPWS		3765		DPWS Print Max numbers of connection	10	1~20	NIC	Maximum numbers received from more than one connection request in the DPWS print	12	
08	Setting mode	System	Network	DPWS		3766		DPWS Print Max numbers of reception	10	1~20	NIC	Maximum numbers of data received from more than one clients in the DPWS print	12	
08	Setting mode	System	Network	IPv6		3767		Switching IPv6 setting	2	1~2	NIC	IPv6 function is switched. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	IPv6		3768		Switching address acquisition	2	1~3	NIC	IP (IPv6) address acquisition setting is switched. 1: Manual 2: Stateless 3: Stateful	12	
08	Setting mode	System	Network	IPv6		3770		IPv6 Address			-	Displays IPv6 address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3771		Prefix display setting			-	Sets the length of the displayed prefix. Maximum 3 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3772		Default Gateway setting			-	Sets the default gateway for IPv6 address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network			3774		DHCPv6 Option setting	2	1~2	NIC	DHCPv6 Option is switched when the Manual is set. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3777		Stateless Address setting	2	1~2	NIC	IP Address is acquired by both Stateless and State full Address. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3778		Acquiring DHCPv6 Option	2	1~2	NIC	When Stateless Address is selected, an option is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3779		Stateful Address setting	1	1~2	NIC	IP Address is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			3780		Stateful Option setting	1	1~2	NIC	An option is acquired from DHCPv6 server. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	IPv6		3781		Primary DNS Server Address Registration(IPv6)			-	Registration of Primary DNS Server Address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network	IPv6		3782		Secondary DNS Server Address Registration(IPv6)			-	Registration of Secondary DNS Server Address. Maximum 40 characters (byte).	12	
08	Setting mode	System	Network			3793		LLTD function setting	1	1~2	NIC	Sets the LLTD function. 1: Enabled 2: Disabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3797		PJL USTATUS setting	1	0~1	SYS	Sets whether to remain or initialize the PJL USTATUS setting for each job. 0: Remaining 1: Initialized * This setting is available only when SNMP communication is performed.	1	
08	Setting mode	System	Extra long size paper count	Count switching setting		3800	0	Feeding direction483-800 mm	2	1~30	SYS	Sets the number of multiples. A sheet is counted as N sheets when extra long size paper is used for printing.	4	Yes
08	Setting mode	System	Extra long size paper count	Count switching setting		3800	1	Feeding direction801-1200 mm	3	1~30	SYS	Sets the number of multiples. A sheet is counted as N sheets when extra long size paper is used for printing.	4	Yes
08	Setting mode	System	General			3802		USB media direct printing Paper size	Refer to contents	0~13	SYS	0: ledger 1: legal 2: letter 3: computer 4: statement 5: A3 6: A4 7: A5 9: B4 10: B5 11: Folio 12: Legal13" 13: LetterSquare <Default value> NAD: 2 Others: 6	1	
08	Setting mode	System	General			3803		USB media direct printing function setting	1	0~1	SYS	Sets the USB media direct printing function.0: Disabled1: Enabled	1	
08	Setting mode	System	Scanning			3805		Department Management setting by Remote Scan	3	0~3	SYS	Sets the department management with remote scanning as follows: 0: w/o GUI OFF,w/ GUI OFF 1: w/o GUI ON, w/ GUI OFF 2: w/o GUI OFF, w/ GUI ON 3: w/o GUI ON, w/ GUI ON w/o GUI: Remote scanning is operated on SSOP application of eCOPY Inc. w/ GUI: Remote scanning is operated on TTEC-specific GUI. This setting is only for department management with remote scanning. When GUI is set ON, a department code dialog is displayed at the start-up of remote scanning. This code is valid only when the code 08-9120 is set "1 (Valid)".	1	
08	Setting mode	System	Network	Intranet Fax	Sender e-mail address	3809		Mixed transmission		Refer to contents	-	When "2" is selected in 08-3810 (Internet and Intranet Faxes are mixed), the address entered in this code is used as the one for the Intranet Fax sender. Maximum 192 characters * Once the HDD clearance has been performed, the default value is set.	12	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Direct SMTP		3810		Communication setting	0	0~2	SYS	When an Internet Fax is sent, Intranet Fax communication is set. 0: Disabled 1: Enabled 2: Internet and Intranet Faxes are mixed When "0" is set, an Internet Fax is sent using an SMTP server. When "1" is set, Intranet Fax communication is enabled and an Internet Fax is sent to MFPs on the intranet without using an SMTP server. Since no SMTP server is used, the SSL encryption and SMTPAUTH function cannot be used for internet Fax transmission. When "2" is set, Internet and Intranet Faxes are mixed. If "1: Enabled" is set in 08-3810, set "1: Enabled" in 08-3812 as well.	1	Yes
08	Setting mode	System	Network	Direct SMTP		3811		Image encrypting at the Direct SMTP	0	0~1	SYS	When Direct SMTP communication is performed, an attached image is encrypted. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Network	Internet Fax		3812		Dummy full mode at I-Fax transmission	0	0~1	SYS	When an Internet Fax is sent, the resolution ratio and the paper size of an attached image are set to the full mode. 0: Disabled 1: Enabled If "1: Enabled" is set in 08-3810, set "1: Enabled" in 08-3812 as well.	1	Yes
08	Setting mode	System	Scanning			3815		XPS file thumbnail addition	1	0~1	SYS	Thumbnail is added to the XPS file produced by the Scan function. 0: Not added 1: Only the top page added	1	
08	Setting mode	System	Scanning			3816		XPS file paper size setting	1	0~1	SYS	The paper size of the XPS file produced by the Scan function is set. 0: Scanned image size 1: Standard size	1	
08	Setting mode	System	Scanning			3817		PDF file version setting	4	0~1, 4	SYS	The version of PDF file produced by the Scan function is set. 0: PDF V1.3 1: PDF V1.4 4: PDF V1.7	1	
08	Setting mode	System	e-BRIDGE CloudConnect			3820		Function setting	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3822		Function setting of Proxy Server	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3823		IP Address setting of Proxy Server	Refer to contents	Refer to contents	SYS	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	11	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3824		Port number setting of Proxy Server	80	1~65535	SYS		1	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3825		Account ID setting of Proxy Server		Refer to contents	SYS	Maximum 30 characters.	11	Yes
08	Setting mode	System	e-BRIDGE CloudConnect			3826		Account password setting of Proxy Server		Refer to contents	SYS	Maximum 30 characters.	11	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			3833		Home directory function	0	0~1	SYS	Function to store a file in the user's home directory 0: Disabled 1: Enabled	1	
08	Setting mode	System	General			3837		Display switching for the machine name shown in the notification	0	0~1	SYS	The display method of the machine name shown in the event related notification is switched. 0: IP address 1: NetBIOS name // FQDN	1	
08	Setting mode	System	General	License control		3840		Registration/Deletion			-	Registers electronic keys for setting related optional items (e.g. when the equipment is delivered). Returns the license file having the same ID as that in the one-time dongle. Displays all the electronic keys stored in a USB media connected to the equipment in a list. Displays electronic keys registered in the equipment.	3	Yes
08	Setting mode	System	Option	FAX		3847		FAX mis-transmission prevention	0	0~1	SYS	FAX mis-transmission prevention function is switched. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	Option	FAX		3848		Restriction on Address Book destination	0	0~1	SYS	Sets whether the address in the address book is selectable or not for the FAX mis-transmission prevention function. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	Option	FAX		3849		Restriction on destination direct entry	0	0~1	SYS	Sets whether the direct entry of the FAX number is available or not for the FAX mis-transmission prevention function. 0: OFF (Disabled) 1: ON (Enabled)	1	Yes
08	Setting mode	System	General			3851		Template display	0	0~1	SYS	0: ID number order1: Alphabetical order	1	
08	Setting mode	System	General	Summer time function		3852		Summer time Automatic change function	Refer to contents	0~1	SYS	0: Disabled 1: Enabled <Default value> MJC/MJD/NAC/NAD: 1 Other: 0	1	
08	Setting mode	System	General	Summer time function		3853		Offset value	2	0~7	SYS	0: +2:00 1: +1:30 2: +1:00 3: +0:30 4: -0:30 5: -1:00 6: -1:30 7: -2:00	1	
08	Setting mode	System	General		Start	3854		Summer time Setting value (Starting month)	Refer to contents	1~12	SYS	1: Jan 2: Feb 3: Mar 4: Apr 5: May 6: Jun 7: Jul 8: Aug 9: Sep 10: Oct 11: Nov 12: Dec <Default value> MJC/MJD/NAC/NAD: 3 Other: 1	1	
08	Setting mode	System	General		Start	3855		Summer time Setting value (Starting week)	Refer to contents	1~5	SYS	1: 1st 2: 2nd 3: 3rd 4: 4th 5: Last <Default value> MJC/MJD: 5 NAC/NAD: 2 Other: 1	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General		Start	3856		Summer time Setting value (Starting day)	0	0~6	SYS	0: Sun 1: Mon 2: Tue 3: Wed 4: Thu 5: Fri 6: Sat	1	
08	Setting mode	System	General		Start	3857		Summer time Setting value (Starting hour)	Refer to contents	0~23	SYS	0 to 23 <Default value> MJC/MJD, NAC/NAD: 2 Other: 0	1	
08	Setting mode	System	General		Start	3858		Summer time Setting value (Starting minute)	0	0~59	SYS	0 to 59	1	
08	Setting mode	System	General		End	3859		Summer time Setting value (Ending month)	Refer to contents	1~12	SYS	1: Jan 2: Feb 3: Mar 4: Apr 5: May 6: Jun 7: Jul 8: Aug 9: Sep 10: Oct 11: Nov 12: Dec <Default value> MJC/MJD: 10 NAC/NAD: 11 Other: 1	1	
08	Setting mode	System	General		End	3860		Summer time Setting value (Ending week)	Refer to contents	1~5	SYS	1: 1st 2: 2nd 3: 3rd 4: 4th 5: Last <Default value> MJC/MJD: 5 Other: 1	1	
08	Setting mode	System	General		End	3861		Summer time Setting value (Ending day)	0	0~6	SYS	0: Sun 1: Mon 2: Tue 3: Wed 4: Thu 5: Fri 6: Sat	1	
08	Setting mode	System	General		End	3862		Summer time Setting value (Starting hour)	Refer to contents	0~23	SYS	0 to 23 <Default value> MJC/MJD: 3 NAC/NAD: 2 Other: 0	1	
08	Setting mode	System	General		End	3863		Summer time Setting value (Starting minute)	0	0~59	SYS	0 to 59	1	
08	Setting mode	System	Network			3864		Disclosure of telnet function	0	0~1	SYS	0: Not disclosed 1: Disclosed When this value is set at "0", the value of code 08-3865 must be "2".	1	
08	Setting mode	System	Network			3865		Availability of telnet server	2	1~2	NIC	1: Enable 2: Disable	12	
08	Setting mode	System	FAX			3875		Address confirmation for multiple destinations	Refer to contents	0~1	SYS	Enable this setting to display the address confirmation screen before sending fax to prevent wrong transmission when multiple destination addresses are specified. 0: Disabled 1: Enabled <Default value> JPC: 1 Others: 0	1	
08	Setting mode	System	Address book	Shared address book		3883		Disabled/enabled	0	0~1	SYS	Sets whether or not to enable the address book sharing function. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Maintenance	Remote-controlled service	Switching setting of message log registration	3885		Log-in/log-off of (Built-in) Admin	0	0~1	SYS	Sets whether to register in the message log the events which are logged in or logged off from an MFP with (Built-in) Admin 0: Not registered in the message log 1: Registered in the message log	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Laser			4002		Judged number of polygonal motor rotation error (Normal rotation)	0	0~2	M	Displays the error [CA10] when the set number of rotation error has been detected.0: 2 times 1: 10 times 2: 20 times	1	
08	Setting mode	Printer	Laser			4004		Polygonal motor rotation number on standby	3	0~3	M	0: 26574.8rpm 1: 20000rpm 2: 15000rpm 3: 10000rpm	1	
08	Setting mode	Printer	Laser			4005		Polygonal motor rotation in the energy saving mode	0	0~3	M	0: Stopped 1: 10000rpm 2: 15000rpm 3: 20000rpm	1	
08	Setting mode	Printer	Feeding system/Paper transport			4010		Default setting of paper source	0	0~6	SYS	0: A4/LT 1: T-LCF 2: 1st drawer 3: 2nd drawer 4: 3rd drawer 5: 4th drawer 6: O-LCF	1	
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	Auto	4011		PPC	1	1~2	SYS	Sets whether the drawer is changed automatically if the paper runs out in the selected drawer and the paper of the same size is in other drawer. 1: ON (Changes to the drawer with the same paper direction and size: ex. A4 to A4) 2: ON (Changes to the drawer with the same paper size. Paper with the different direction is acceptable as long as the size is the same: ex., A4 to A4-R, LT-R to LT. "1" is applied when the staple/hole punch is specified.)	1	Yes
08	Setting mode	Printer	Laser			4012		Pre-running rotation of polygonal motor	0	0~2	SYS	Sets whether or not switching the polygonal motor from the standby rotation to the normal rotation when the original is set on the RADF or the RADF is opened. 0: Valid (when using RADF and the original is set manually) 1: Invalid 2: Valid (when using RADF only)	1	
08	Setting mode	Printer	Laser			4013		Polygonal motor rotational status switching at the Auto Clear Mode	0	0~1	SYS	Sets whether or not switching the polygonal motor from the normal rotation to the standby rotation at the Auto Clear Mode. 0: Valid 1: Invalid	1	
08	Setting mode	Printer	Laser			4014		Rotational status of polygonal motor on standby	0	0~1	SYS	Sets the rotational status of polygonal motor on standby. 0: Rotated (The rotational speed is set at 08-4005.) 1: Stopped	1	
08	Setting mode	Printer	Laser			4015		Timing of auto-clearing of polygonal motor pre-running rotation	3	0~21	SYS	Switches the polygonal motor to the standby rotation when a certain period of time has passed from the pre-running. This code sets the period to switch the status to the standby rotation. 15+(setting value) x 5 sec. 0: 15 sec. 1: 20 sec. 2: 25 sec. 3: 30 sec. 4: 35 sec. 5: 40 sec. 6: 45 sec. 7: 50 sec. 8: 55 sec. 9: 60 sec. 10: 65 sec. 11: 70 sec. 12: 75 sec. 13: 80 sec. 14: 85 sec. 15: 90 sec. 16: 95 sec. 17: 100 sec. 18: 105 sec. 19: 110 sec. 20: 115 sec. 21: 120 sec. * This setting is effective when "0" or "2" is set for 08-4012.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	When a drawer is specified	4016	0	PPC	0	0~1	SYS	Sets whether the automatic change of paper source is performed or not if the drawer is specified as the paper source and the paper in the specified drawer runs out when coping. 0: Does not change the paper source automatically 1: Changes the paper source automatically	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Automatic change of paper source	When a drawer is specified	4016	1	Printing/BOX printing	0	0~1	SYS	Sets whether the automatic change of paper source is performed or not if the drawer is specified as the paper source and the paper in the specified drawer runs out when printing/BOX printing. 0: Does not change the paper source automatically 1: Changes the paper source automatically	4	Yes
08	Setting mode	Printer				4017		Polygonal motor stop function when the [FUNCTION CLEAR] button is pressed	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	1st drawer	4020	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 1st drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	1st drawer	4020	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 1st drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	2nd drawer	4021	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 2nd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	2nd drawer	4021	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 2nd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	3rd drawer	4022	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 3rd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	3rd drawer	4022	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 3rd drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	4th drawer	4023	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the 4th drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	4th drawer	4023	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the 4th drawer.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Bypass feeding	4024	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the bypass tray.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Bypass feeding	4024	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the bypass tray.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	T-LCF	4025	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	T-LCF	4025	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the LCF.	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4100		1st drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 20: A4-R 80: LT-R <Default value> NAD/NAC: 80 MJD/MJC/JPC: 4 Others: 20	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4101		2nd drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 19: A3 81: LD <Default value> NAD/NAC: 81 Others: 19	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4102		3rd drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 20: A4-R 82: LG <Default value> NAD/NAC: 82 Others: 20	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4103		4th drawer	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 52: B4 81: LD <Default value> NAD/NAC: 81 JPC: 52 Others: 4	9	
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4104		Tandem LCF	Refer to contents	0~255	M	Press the button on the LCD to select the size. This code is reset every time a paper size is detected automatically. 4: A4 64: LT <Default value> NAD/NAC: 64 Others: 4	9	
08	Setting mode	Printer	Feeding system/Paper transport			4106		Paper size (A3-R)feeding/widthwise direction	420/297	182~432/140~297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4107		Paper size (A4-R)feeding/widthwise direction	297/210	182~432/140~297	M		10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport			4108		Paper size (A5-R)feeding/widthwise direction	210/148	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4109		Paper size (B4-R)feeding/widthwise direction	364/257	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4110		Paper size (B5-R)feeding/widthwise direction	257/182	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4111		Paper size (LT-R)feeding/widthwise direction	279/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4112		Paper size (LD)feeding/widthwise direction	432/279	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4113		Paper size (LG)feeding/widthwise direction	356/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4114		Paper size (ST-R)feeding/widthwise direction	216/140	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4115		Paper size (COMPUTER)feeding/widthwise direction	356/257	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4116		Paper size (FOLIO)feeding/widthwise direction	330/210	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4117		Paper size (13"LG)feeding/widthwise direction	330/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4118		Paper size (8.5" X 8.5")feeding/widthwise direction	216/216	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4119		Paper size (Non-standard)feeding/widthwise direction	432/279	148-432/105-297	SYS		10	
08	Setting mode	Printer	Feeding system/Paper transport			4120		Paper size (8K)feeding/widthwise direction	390/270	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4121		Paper size (16K-R)feeding/widthwise direction	270/195	182-432/140-297	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4122		Paper size (A3-wide)feeding/widthwise direction	457/305	182-457/140-305	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4123		Paper size (A6-R)feeding/widthwise direction	148/105	148-432/105-297	M		10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Feeding system/Paper transport			4131		Feeding retry setting	0	0~1	M	0: Enabled 1: Disabled * When the value of 08-9016 is set to "5", the value of this code is automatically set to "1".	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4140		Paper size for bypass feed	255	0~255	SYS	Press the button on the LCD to select the size. 255: UNDEF	9	
08	Setting mode	Printer	Feeding system/Paper transport			4205		Paper size (305 x 457 mm) feeding/widthwise direction	457/305	148~457/105~305	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4206		Paper size (Post card) feeding/widthwise direction	148/100	148~432/100~297	M	Post card is supported only for JPN model.	10	
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Option LCF	4520	0	Plain paper	5	0~5	M	Sets the number of times feeding retry occurs from the O-LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Feeding retry number setting	Option LCF	4520	1	Others paper	5	0~5	M	Sets the number of times feeding retry occurs from the O-LCF.	4	Yes
08	Setting mode	Printer	Feeding system/Paper transport	Paper size setting		4521		Optional LCF	Refer to contents	0~255	M	Press the button on the LCD to select the size. 4: A4 64: LT <Default value> NAD/NAC: 64 Others: 4	9	
08	Setting mode	Printer	Fuser			4530		Fusing error temperature (Temperature of the fuser belt center thermopile)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4531		Fusing error temperature (Temperature of the fuser belt side thermopile)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4532		Fusing error temperature (Temperature of the Fuser belt edge thermistor)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4533		Fusing error temperature (Temperature of the pressure roller center thermopiles)	0	0~255	M		1	
08	Setting mode	Printer	Fuser			4534		Power supply at fusing error	0	0~63	M	0: 0W 1: 200W 2: 240W 3: 300W 4: 320W 5: 340W 6: 360W 7: 380W 8: 400W 9: 420W 10: 440W 11: 460W 12: 480W 13: 500W 14: 520W 15: 540W 16: 560W 17: 580W 18: 600W 19: 620W 20: 640W 21: 660W 22: 680W 23: 700W 24: 720W 25: 740W 26: 760W 27: 780W 28: 800W 29: 820W 30: 840W 31: 860W 32: 880W 33: 900W 34: 920W 35: 940W 36: 960W 37: 980W 38: 1000W 39: 1020W 40: 1040W 41: 1060W 42: 1080W 43: 1100W	1	
08	Setting mode	Printer	Feeding system/Paper transport			4542		Switching for incorrect size jam detection	0	0~1	M	0: Enabled 1: Disabled	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Fuser			4545		Fusing error temperature (Temperature of the pressure roller rear thermistor)	0	0~255	M		1	
08	Setting mode	Printer	Transfer	Color registration control		4546		Execution mode setting	5	0~5	M	0: Not performed automatically 1: (a) 2: (b) 3: (a) + (b) 4: (b) + (c) 5: (a) + (b) + (c) <Description> (a) Performs the adjustment automatically at warming-up. (b) Performs the adjustment automatically when printing after a specified period of time has been completed. (c) Performs the adjustment automatically at ready status after a specified period of time, or at a forcible interruption of large amount of printing.	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4547		Manual stapling time-out period	15	3~30	M	3-30sec.(In increments of 1sec.)	1	
08	Setting mode	Printer	Feeding system/Paper transport			4548		Finisher model switching setting value	1	0~1	M	0: - 1: MJ-1103/MJ-1104	1	
08	Setting mode	Printer	Transfer	Color registration control	Start-up time set for color registration	4550	0	1st startup	3	3~255	M	1st color registration control start-up time [unit: minute] automatically set when the color registration control has not been performed automatically at power ON, recovery from the ready status or recovery from the sleep mode.	4	Yes
08	Setting mode	Printer	Transfer	Color registration control	Start-up time set for color registration	4550	1	2nd or subsequent startups	30	3~255	M	Start-up time [unit: minute] for 2nd or subsequent color registration control start-ups automatically set when the color registration control has been automatically performed after a specified period of time.	4	Yes
08	Setting mode	Printer	Transfer	Color registration control		4562		Time of pausing continuous printing	5	1~60	M	Sets the time from reaching the start-up for color registration control to pausing the printing. (Unit: minute)	1	Yes
08	Setting mode	Printer	Feeding system/Paper transport			4567		Paper size (SRA3)feeding/widthwise direction	450/320	148~460/105~320	M		10	
08	Setting mode	Printer	Feeding system/Paper transport			4568		Paper size(460mm X 320mm)feeding/widthwise direction	460/320	148~460/105~320	M		10	
08	Setting mode	Printer	Fuser			4572		Fusing error temperature (Pressure roller side thermistor)	0	0~255	M		1	
08	Setting mode	Printer	Development			4575		Waste toner box near-full status Display setting	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4585		Paper size (13 X 19inch-R)feeding/widthwise direction	483/330	148~483/105~330	M		10	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	General			4586		Checking of SRAM board data on LGC board No. 1 (Models)	Refer to contents	340~342	M	340: e-STUDIO5560C 341: e-STUDIO6560C 342: e-STUDIO6570C	2	
08	Setting mode	Printer	Fuser			4591		Identification of fuser unit voltage	Refer to contents	0~2	M	0: 100V series 1: 115V series 2: 200V series <Default value> JPC: 0 NAD/NAC: 1 Others: 2	2	
08	Setting mode	Printer	Transfer			4596		2nd transfer waste toner transport locking detection setting	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Transfer			4597		2nd transfer waste toner full-status Display timing table setting	0	0~2	M	0: 10000 1: 5000 2: 4000	1	
08	Setting mode	Printer	Feeding system/Paper transport			4598		Media sensor Media type mis-setting control setting	0	0~1	M	0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4599		Media sensor Media type setting at the sensor malfunction	Refer to contents	0~1	M	0: Plain paper 1 1: Plain paper 2 <Default value> JPC: 0 Others: 1	1	
08	Setting mode	Printer	Feeding system/Paper transport			4602		Paper transport period measuring function setting	0	0~1	M	0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4603		Stop jam detection at registration sensor	0	0~3	M	0: Disabled 1: Enabled only for bypass feeding 2: Enabled only for drawer or duplexing unit feeding 3: Enabled for all paper feeders	1	
08	Setting mode	Printer	Laser			4604		Waiting time for polygonal motor standby rotation shifting after W/U READY	6	0~9	M	0: 0 sec. 1 to 9: Setting value x 5 sec.	1	
08	Setting mode	Printer	Transfer	Color registration control		4605		Accumulated counter value	0	0~9999999 9	M	Counts the number of color registration control for each starting mode. Color registration operations other than those performed at the specified timing are counted as 2.	1	Yes
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	0	K	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	1	Y	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	2	M	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer	Charger	Needle electrode cleaner operating status		4606	3	C	0	0~255	M	0: Normal 1: Abnormality occurred during movement from rear side to front side 2: Abnormality occurred during movement from front side to rear side	14	
08	Setting mode	Printer				4608		Destination categorized code (for SRAM board on LGC board)	Refer to contents	0~7	M	0: NAD, NAC 1: MJD, MJC 2: JPC 3: ASD, ARD 4: CND 5: AUD 6: Not defined (empty) 7: Not defined (empty) <Default value> JPC: 2 NAD/NAC: 0 MJD/MJC: 1 ASD/ARD: 3 AUD: 5 CND: 4	2	
08	Setting mode	Printer	Laser			4609		Laser shutter counter	0	0~9999999 9	M	1 movement of opening and closing is counted as 1.	1	
08	Setting mode	Printer	Counter			4615	0	Counter for job number of sheets	0	0~9999999 9	M	Once	4	
08	Setting mode	Printer	Counter			4615	1	Counter for job number of sheets	0	0~9999999 9	M	Twice	4	
08	Setting mode	Printer	Counter			4615	2	Counter for job number of sheets	0	0~9999999 9	M	3 times	4	
08	Setting mode	Printer	Counter			4615	3	Counter for job number of sheets	0	0~9999999 9	M	Up to 5 times	4	
08	Setting mode	Printer	Counter			4615	4	Counter for job number of sheets	0	0~9999999 9	M	Up to 7 times	4	
08	Setting mode	Printer	Counter			4615	5	Counter for job number of sheets	0	0~9999999 9	M	Up to 10 times	4	
08	Setting mode	Printer	Counter			4615	6	Counter for job number of sheets	0	0~9999999 9	M	Up to 15 times	4	
08	Setting mode	Printer	Counter			4615	7	Counter for job number of sheets	0	0~9999999 9	M	Up to 20 times	4	
08	Setting mode	Printer	Counter			4615	8	Counter for job number of sheets	0	0~9999999 9	M	Up to 30 times	4	
08	Setting mode	Printer	Counter			4615	9	Counter for job number of sheets	0	0~9999999 9	M	Up to 40 times	4	
08	Setting mode	Printer	Counter			4615	10	Counter for job number of sheets	0	0~9999999 9	M	Up to 50 times	4	
08	Setting mode	Printer	Counter			4615	11	Counter for job number of sheets	0	0~9999999 9	M	Up to 75 times	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter			4615	12	Counter for job number of sheets	0	0-99999999	M	Up to 100 times	4	
08	Setting mode	Printer	Counter			4615	13	Counter for job number of sheets	0	0-99999999	M	Up to 200 times	4	
08	Setting mode	Printer	Counter			4615	14	Counter for job number of sheets	0	0-99999999	M	Up to 300 times	4	
08	Setting mode	Printer	Counter			4615	15	Counter for job number of sheets	0	0-99999999	M	Up to 400 times	4	
08	Setting mode	Printer	Counter			4615	16	Counter for job number of sheets	0	0-99999999	M	Up to 500 times	4	
08	Setting mode	Printer	Counter			4615	17	Counter for job number of sheets	0	0-99999999	M	Up to 750 times	4	
08	Setting mode	Printer	Counter			4615	18	Counter for job number of sheets	0	0-99999999	M	Up to 1000 times	4	
08	Setting mode	Printer	Counter			4615	19	Counter for job number of sheets	0	0-99999999	M	Up to 2000 times	4	
08	Setting mode	Printer	Counter			4615	20	Counter for job number of sheets	0	0-99999999	M	Up to 3000 times	4	
08	Setting mode	Printer	Counter			4615	21	Counter for job number of sheets	0	0-99999999	M	Up to 4000 times	4	
08	Setting mode	Printer	Counter			4615	22	Counter for job number of sheets	0	0-99999999	M	Up to 5000 times	4	
08	Setting mode	Printer	Counter			4615	23	Counter for job number of sheets	0	0-99999999	M	Up to 6000 times	4	
08	Setting mode	Printer	Counter			4615	24	Counter for job number of sheets	0	0-99999999	M	Up to 7000 times	4	
08	Setting mode	Printer	Counter			4615	25	Counter for job number of sheets	0	0-99999999	M	Up to 8000 times	4	
08	Setting mode	Printer	Counter			4615	26	Counter for job number of sheets	0	0-99999999	M	Up to 9000 times	4	
08	Setting mode	Printer	Counter			4615	27	Counter for job number of sheets	0	0-99999999	M	9001 times or more	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	0	Latest	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	1	Once earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23: C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	2	Twice earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	3	3 times earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	4	4 times earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Counter	History storing area of fusing error counter		4616	5	5 times earlier	0	0-255	M	0: No error 1: C411 error 2: C412 error 3: C443 error 4: Not used 5: C445, C465 error 6: C446, C466 error 7: C447, C467 error 8: C468 error 9: C449 error 10: C475 error 11: C471 error 12: C472 error 13: C473 error 14: C480 error 15: C481 error 16: C474 error 17: C490 error 18: C468 error 19: C449 error 20: C468 error 21: C449 error 22: C449 error 23:C449 error 24: C447, C446 error 25: C449 error 26: C468 error 27: C449 error 28: C468 error 29: C449 error 30 to 31: Not used 32: C448 error 33: C467 error 34: C467 error 35 to 49: Not used 50: C452 error 51: C452 error 52 to 60: Not used 61: C461 error 62: C462 error 63 to 69: Not used 70: C464 error 71: C464 error 72 to 255: Not used	14	
08	Setting mode	Printer	Feeding system/Paper transport			4621		Without EFI	0	0-1	M	Detects whether the size of the paper fed by bypass feeding is the same as that set on the control panel. If the sizes are not the same, a warning message is displayed (no paper jam occurs). If the bypass paper size detection is not working, the equipment can be used without any size detection by disabling this setting. After repair, re-enable this setting. 0: Enabled 1: Disabled	1	
08	Setting mode	Printer	Feeding system/Paper transport			4622		Bypass paper size detection counter	0	0-65535	M	This is a counter for bypass paper size detection setting. If the printing is executed with the paper size that differs from the paper size set on the control panel, the counter is counted up.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	All clear	Destination		4659		Storing area for SYS destination information	Refer to contents	0~255	M	Stores SYS-SRAM destination data when code 08-9090 is performed. 0: MJD/MJC 1: NAD/NAC 2: JPC 3: AUD/AUC 4: CND 5: KRD 6: TWD 7: SAD 8: ASU 9: ASD 10: ARD <Default value> MJD/MJC: 0 NAD/NAC: 1 JPC: 2 ASD: 9 AUD: 3 CND: 4 ARD: 10	2	
08	Setting mode	Printer	Transfer			4663		Switchover of 2nd transfer pressure adjustment	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	Transfer			4664		2nd transfer depressurization control - invalid cam position error count	0	0~5	M	number of times	1	
08	Setting mode	Printer	Counter	Tray-up abnormality		4665		Error count process for tray-up abnormality	1	0~1	M	Switches the error count process for the tray-up abnormality. 0: An occurrence is counted as a 1-time error when a tray-up abnormality is generated at least 1 time. 1: An occurrence is counted as a 1-time error when a tray-up abnormality is generated at least 2 times in a row.	1	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	1st drawer	4668	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	2nd drawer	4669	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	Counter	Tray-up abnormality	2nd drawer	4669	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	2nd drawer	4669	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	2nd drawer	4669	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	3rd drawer	4670	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	3rd drawer	4670	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	3rd drawer	4670	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	3rd drawer	4670	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	4th drawer	4671	0	1 time	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated only 1 time. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	4th drawer	4671	1	2 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated 2 times in a row. An error is counted when "1" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	4th drawer	4671	2	At least 3 times in a row	0	0~255	M	Displays the number of the tray-up abnormality occurrences which are generated at least 3 times in a row. The 3 times error is counted as 1, the 4 times one is 2, the 5 times one is 3 and the later ones are counted consequently. An error is counted when "1" is set for 08-4665.	4	
08	Setting mode	Printer	Counter	Tray-up abnormality	4th drawer	4671	3	Total number of occurrences	0	0~255	M	Displays the total number of tray-up abnormality occurrences. An error is counted when "0" is set for 08-4665, and is listed in the error history.	4	
08	Setting mode	Printer	General			4675		Paper ejection setting for wrong bypass paper size	2	0~2	M	0: Disabled 1: Changes jammed paper location 2: Ejects paper	1	
08	Setting mode	Printer	Counter			4676		Ejection counter for wrong bypass paper size	0	0~65535	M	Number of ejection times	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Printer	General			4686		Printer ROM version display at printer all clear			M	Displays the last 2 or 3 digits of the printer ROM version (08-9901) when printer all clear (08-9090) is performed. The version number is described by alphanumeric characters.	2	
08	Setting mode	Printer	Feeding system/Paper transport			4691		Switching of the display of jam location in the drawer when paper feed jam occurs	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Printer	General			4739		Error information of Service Call CE71	0	0~10	M	Use this code to investigate the cause of error when CE71 occurs. Input "0" to clear the value when the investigation is finished. 0: No service call occurs 1: Color phase stop error at ACS 2: Target edge acquisition error 3: Specified phase shift error 4: Phase adjustment check error 5: Black phase acquisition error 6: Color phase acquisition error 7: Phase adjustment error of YMC and K drum 8-10: Other error	1	
08	Setting mode	Printer	Image control			4744		Self check interval Setting	0	0~2	M	0: STANDARD 1: LONGER 2: LONGEST *画質を優先させる場合は"0"を選択する。	1	
08	Setting mode	Printer	Transfer			4766		Drum phase adjustment control setting	1	0~1	M	0: Invalid 1: Valid	1	
08	Setting mode	Process	Development	Toner near empty		5155		Toner near empty threshold setting	1	0~5	M	0: The period from the appearance of the toner near-empty sign to the actual complete consumption of the toner is set to long. 1: Normal (Default) 2: The period from the appearance of the toner near-empty sign to the actual complete consumption of the toner is set to short. 4: Toner near-empty status threshold value: (%)* 5: Toner near-empty status threshold value: (Number of sheets)* * The toner near-empty status is displayed if the remaining amount of toner is equal to or less than the amount set in 08-5810/5811 (percentage or number of sheets).	1	Yes
08	Setting mode	Process	Development	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	0	Y	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Development	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	1	M	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Development	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	2	C	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Development	Toner near empty	Fine adjustment of threshold for displaying remaining toner and toner near empty	5156	3	K	100	50~150	M	Adjusts the threshold value for displaying remaining amount of toner and toner near empty. Display threshold value = default threshold value x setting value/100 (unit: %)	4	
08	Setting mode	Process	Fuser			5207		Warming-up period extension control setting	0	0~1	M	0: Valid 1: Invalid	1	
08	Setting mode	Process	Fuser			5208		Threshold for disabling warming-up period extension	2	0~15	M	0: Invalid 1: 30°C 2: 40°C 3: 50°C 4: 60°C 5: 70°C 6: 80°C 7: 90°C 8: 100°C 9: 110°C 10: 120°C 11: 130°C 12: 140°C 13: 150°C 14: 160°C 15: 170°C	1	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Side / Pressure roller)		5236	0	Normal temperature	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature at ready status (Side / Pressure roller)		5236	1	Low temperature	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5239		Pre-running start temperature when ready	7	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C	1	
08	Setting mode	Process	Fuser	Allowable range correction		5240	0	Pressure roller/ Lower limit	0	0~5	M	0: 0°C 1: -5°C 2: -10°C 3: -15°C 4: -20°C 5: -25°C	4	
08	Setting mode	Process	Fuser	Allowable range correction		5240	1	Pressure roller/ Upper limit	5	0~5	M	0: 0°C 1: +5°C 2: +10°C 3: +15°C 4: +20°C 5: +25°C	4	
08	Setting mode	Process	Fuser	Pre-running time at ready status		5248		Pressure roller contact / release setting	1	0~1	M	0: Contact 1: Release	1	
08	Setting mode	Process	Fuser			5271	0	Fusing temperature during printing (Manual adjustment / Side / Pressure roller / Plain paper 1)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5271	1	Fusing temperature during printing (Manual adjustment / Side / Pressure roller / Plain paper 1)(color)	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 1)		5272	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 1)		5272	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	0	Temperature on heat roller side in BK mode	19	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	1	Temperature on heat roller side in C or CK mode	19	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	2	Temperature on press roller side in BK mode	8	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature (Plain paper)		5275	3	Temperature on press roller side in C or CK mode	8	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	0	Fuser belt side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	1	Fuser belt side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	2	Pressure roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Plain paper 1 / Plain paper 2)		5276	3	Pressure roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	0	Center / Fuser belt	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	2	Center / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Normal length paper)		5277	3	Side / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	4	Center / Fuser belt	9	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	6	Center / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Thick paper 4 / Extra long size paper)		5277	7	Side / Pressure roller	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser			5278		Fusing temperature during printing (Side / Pressure roller / Overhead transparencies)	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	1	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	0	Heat roller: Normal paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	1	Press roller: Normal paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	2	Heat roller: Long size paper	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Thick paper 4: Heater forced On time		5279	3	Press roller: Long size paper	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 4)		5280	0	Normal length paper	0	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Pre-running time for first printing (Thick paper 4)		5280	1	Extra long size paper	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 2)		5281	0	Normal length paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 2)		5281	1	Extra long size paper	2	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 3)		5282	0	Normal length paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Side / Pressure roller / Thick paper 3)		5282	1	Extra long size paper	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	0	Special paper 1 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	1	Special paper 2 / Normal length paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	2	Special paper 1 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature (Side / Pressure roller / Special paper)		5283	3	Special paper 2 / Extra long size paper	4	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			5284	0	Temperature drop control during printing 2	0	0~8	M	0: Disabled 1: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal or low temperature) 2: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal or low temperature) 3: Enabled - Thick paper 2 (Fuser belt at the normal or low temperature) 4: Enabled - Thick paper 2 (Fuser belt at the normal temperature) 5: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal temperature) 6: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal or low temperature) 7: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal temperature) 8: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal temperature)	4	
08	Setting mode	Process	Fuser			5284	1	Temperature drop control during printing 2	0	0~8	M	0: Disabled 1: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal or low temperature) 2: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal or low temperature) 3: Enabled - Thick paper 2 (Fuser belt at the normal or low temperature) 4: Enabled - Thick paper 2 (Fuser belt at the normal temperature) 5: Enabled - Thick paper 2, thick paper 3 (Fuser belt at the normal temperature) 6: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal or low temperature) 7: Enabled - Thick paper 2 (Fuser belt and pressure roller at the normal temperature) 8: Enabled - Thick paper 2, thick paper 3 (Fuser belt and pressure roller at the normal temperature)	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	0	Center / Fuser belt	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	1	Center / Fuser belt	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	4	Center / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	5	Center / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	6	Side / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Manual adjustment / Plain paper 2)		5289	7	Side / Pressure roller	5	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	0	Center / Fuser belt	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	1	Center / Fuser belt	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	4	Center / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	5	Center / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	6	Side / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 1)		5291	7	Side / Pressure roller	3	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	0	Center / Fuser belt	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	1	Center / Fuser belt	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	4	Center / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	5	Center / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	6	Side / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser	Fusing temperature correction setting during printing (Automatic adjustment / Plain paper 2)		5292	7	Side / Pressure roller	4	0~8	M	0: -15°C 1: -10°C 2: -5°C 3: 0°C 4: +5°C 5: +10°C 6: +15°C 7: +20°C 8: +25°C	4	
08	Setting mode	Process	Fuser			5293	0	Fusing temperature during printing (Center / Fuser belt / Recycled paper)	10	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser			5293	1	Fusing temperature during printing (Center / Fuser belt / Recycled paper)	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	0	Center / Pressure roller	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	1	Center / Pressure roller	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	2	Side / Pressure roller	3	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Pressure roller / Recycled paper)		5296	3	Side / Pressure roller	1	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	0	Heat roller: BK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	1	Heat roller: C or CK mode	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	2	Press roller: BK mode	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Recycled paper: Heater forced On time		5297	3	Press roller: C or CK mode	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser			5299	0	Pre-running time for first printing (Recycled paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser			5299	1	Pre-running time for first printing (Recycled paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	0	Heat roller center/BK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	1	Heat roller center/C or CK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	4	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	5	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	6	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	8	Heat roller center/BK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	9	Heat roller center/C or CK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	12	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	13	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	14	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/normal temperature environment)		5300	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	0	Heat roller center/BK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	1	Heat roller center/C or CK mode/one-side printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	4	Press roller center/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	5	Press roller center/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	6	Press roller side/BK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	7	Press roller side/C or CK mode/one-side printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	8	Heat roller center/BK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	9	Heat roller center/C or CK mode/duplex printing	15	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	12	Press roller center/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	13	Press roller center/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	14	Press roller side/BK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser	Lower limit of control temperature (Recycled paper/low temperature environment)		5301	15	Press roller side/C or CK mode/duplex printing	6	0~18	M	0: 80°C 1: 85°C 2: 90°C 3: 95°C 4: 100°C 5: 105°C 6: 110°C 7: 115°C 8: 120°C 9: 125°C 10: 130°C 11: 135°C 12: 140°C 13: 145°C 14: 150°C 15: 155°C 16: 160°C 17: 165°C 18: 170°C	4	
08	Setting mode	Process	Fuser			5315		Fusing temperature correction setting during printing (Wide paper)	1	0~1	M	0: Disabled 1: Enabled	1	
08	Setting mode	Process	Fuser			5316		Copying speed control switchover setting	0	0~1	M	0: Disabled 1: Enabled	1	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	0	Center of heat roller	15	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	2	Center of pressure roller	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Fusing temperature during printing (Special mode for waterproof paper)	PRT	5323	3	Side of pressure roller	8	0~16	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode: Heater forced On time		5324	0	Heat roller	0	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode: Heater forced On time		5324	1	Press roller	5	0~10	M	0: Invalid 1 to 10: Setting value * 1 (sec.)	4	
08	Setting mode	Process	Fuser			5325		Pre-running time for first printing (Special mode for waterproof paper)	5	0~16	M	0: Invalid 1: 0 sec. 2: 2 sec. 3: 3 sec. 4: 4 sec. 5: 5 sec. 6: 6 sec. 7: 7 sec. 8: 8 sec. 9: 10 sec. 10: 12 sec. 11: 14 sec. 12: 16 sec. 13: 18 sec. 14: 20 sec. 15: 25 sec. 16: 30 sec.	1	
08	Setting mode	Process	Fuser	Thick paper 4: Temperature setting to start error handling		5390		Heat roller side	5	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	0	Manual mode: Plain paper1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	1	Manual mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	2	Auto mode: Plain paper 1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	3	Auto mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	4	Bypass feed (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	5	Manual mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	6	Manual mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	7	Auto mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	8	Auto mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start error handling (Press roller side)		5391	9	Bypass feed (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	0	Manual mode: Plain paper1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	1	Manual mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	2	Auto mode: Plain paper 1 (one-side printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	3	Auto mode: Plain paper 2 (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	4	Bypass feed (one-side printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	5	Manual mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	6	Manual mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	7	Auto mode: Plain paper 1 (duplex printing)	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	8	Auto mode: Plain paper 2 (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller side/low temperature environment	5401	9	Bypass feed (duplex printing)	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	0	Thick paper 1/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	1	Thick paper 2/ one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	2	Thick paper 3/ one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	3	Thick paper 4	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	4	Transparency	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	5	Special paper 1	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	6	Special paper 2	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	7	Recycled paper/normal temperature/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	8	Recycled paper/low temperature/one-side printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	9	Waterproof paper special mode	8	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	10	Recycled paper/normal temperature/duplex printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	11	Recycled paper/low temperature/duplex printing	4	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	12	Thick paper 1/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	13	Thick paper 2/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser	Temperature setting to start process for abnormality	Press roller: Thick paper, transparency, special paper	5402	14	Thick paper 3/duplex	5	0~22	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: Invalid	4	
08	Setting mode	Process	Fuser			5411		Starting temperature for abnormalities processing Period for additional temperature rising	0	0~11	M	0: 0 1: 0.5 2: 1 3: 1.5 4: 2 5: 3 6: 4 7: 5 8: 7 9: 10 10: 15 11: continuance (Unit: Minute)	1	
08	Setting mode	Process	Fuser			5412		Starting temperature for abnormalities processing Temperature setting for disabling additional temperature rising	5	0~15	M	0: Invalid 1: 30°C 2: 40°C 3: 50°C 4: 60°C 5: 70°C 6: 80°C 7: 90°C 8: 100°C 9: 110°C 10: 120°C 11: 130°C 12: 140°C 13: 150°C 14: 160°C 15: 170°C	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	0	Thick paper 3/Temperature on fuser roller side	17	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	1	Thick paper 4/Temperature on fuser roller side	17	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	2	Thick paper 3/Temperature on press roller side	6	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Print speed switching temperature	Thick paper 3, 4/BK mode	5413	3	Thick paper 4/Temperature on press roller side	6	0~26	M	0: 70°C 1: 75°C 2: 80°C 3: 85°C 4: 90°C 5: 95°C 6: 100°C 7: 105°C 8: 110°C 9: 115°C 10: 120°C 11: 125°C 12: 130°C 13: 135°C 14: 140°C 15: 145°C 16: 150°C 17: 155°C 18: 160°C 19: 165°C 20: 170°C 21: 175°C 22: 180°C 23: 185°C 24: 190°C 25: 195°C 26: 200°C	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 4)		5414	0	Fuser roller side	0	0~2	M	0: Invalid 1: Valid only for 5 minutes after warming-up 2: Always valid	4	
08	Setting mode	Process	Fuser	Printing speed switchover setting (Thick paper 4)		5414	1	Press roller side	0	0~2	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: 180°C 13: 185°C 14: 190°C 15: 195°C 16: 200°C	4	
08	Setting mode	Process	Fuser	Waterproof paper special mode		5417		Temperature setting to start error handling (low temperature)	10	0~12	M	0: 120°C 1: 125°C 2: 130°C 3: 135°C 4: 140°C 5: 145°C 6: 150°C 7: 155°C 8: 160°C 9: 165°C 10: 170°C 11: 175°C 12: Invalid	1	
08	Setting mode	Process	Fuser			5430		Fusing temperature at low power mode (Side / Pressure roller)	9	0~25	M	0: OFF 1: 40°C 2: 45°C 3: 50°C 4: 55°C 5: 60°C 6: 65°C 7: 70°C 8: 75°C 9: 80°C 10: 85°C 11: 90°C 12: 95°C 13: 100°C 14: 105°C 15: 110°C 16: 115°C 17: 120°C 18: 125°C 19: 130°C 20: 135°C 21: 140°C 22: 145°C 23: 150°C 24: 155°C 25: 160°C	1	
08	Setting mode	Process	Fuser	Warming period in energy saving mode		5432	0	1st energy saving mode in a day	14	0~14	M	0: 0 1: 0.5 2: 1 3: 2 4: 3 5: 5 6: 10 7: 15 8: 30 9: 45 10: 60 11: 75 12: 90 13: 120 14: No limitation (Unit: Minute)	4	
08	Setting mode	Process	Fuser	Warming period in energy saving mode		5432	1	2nd and after	0	0~14	M	0: 0 1: 0.5 2: 1 3: 2 4: 3 5: 5 6: 10 7: 15 8: 30 9: 45 10: 60 11: 75 12: 90 13: 120 14: No limitation (Unit: Minute)	4	
08	Setting mode	Process	Fuser			5455		Number of pages for small size paper feeding interval control	4	0~10	M	0: 10 1: 20 2: 30 3: 50 4: 75 5: 100 6: 150 7: 250 8: 300 9: 400 10: 500 (Unit: page)	1	
08	Setting mode	Process	Fuser			5456		Period for small size paper feeding interval control	9	0~15	M	0: 1 1: 2 2: 3 3: 4 4: 5 5: 6 6: 7 7: 8 8: 9 9: 10 10: 12 11: 14 12: 16 13: 18 14: 20 15: 22	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Fuser	Small size paper feeding interval control switchover		5457	0	Under normal temperature	0	0~1	M	0: Disabled 1: Enabled	4	
08	Setting mode	Process	Fuser	Small size paper feeding interval control switchover		5457	1	Under low temperature	0	0~1	M	0: Disabled 1: Enabled	4	
08	Setting mode	Process	General			5469		Enable/Disable setting of energy saving mode	Refer to contents	0~1	M	0: Disabled 1: Enabled <Default value> e-STUDIO5560C: 1 e-STUDIO6560C/6570C: 0	1	
08	Setting mode	Counter	Maintenance	PM counter	M	5550		Setting value	Refer to contents	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	M	5551		Setting value	314000	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	C	5552		Setting value	Refer to contents	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	C	5553		Setting value	314000	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	Yes
08	Setting mode	Counter	Maintenance			5562		Setting value of PM counter / 2nd transfer roller	Refer to contents	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000 [Unit: page]	1	
08	Setting mode	Counter	Maintenance			5563		Setting value of PM time counter display/0 clearing / 2nd transfer roller	266000	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed	1	
08	Setting mode	Counter	Maintenance	PM counter	M	5564		Current value	0	0~9999999 9	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6254-0	1	
08	Setting mode	Counter	Maintenance	PM drive counter	M	5565		Current value	0	0~9999999 9	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6254-3	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Maintenance	PM counter	C	5566		Current value	0	0~9999999 9	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6256-0	1	
08	Setting mode	Counter	Maintenance	PM drive counter	C	5567		Current value	0	0~9999999 9	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6256-3	1	
08	Setting mode	Counter	Maintenance			5576		Current value of PM counter Display/0 clearing / 2nd transfer roller	0	0~9999999 9	M	Counts up when the registration sensor is ON. 08-6340-0	1	
08	Setting mode	Counter	Maintenance			5577		Current value of PM time counter / 2nd transfer roller	0	0~9999999 9	M	Counts the drum driving time. 08-6340-3	1	
08	Setting mode	Counter	Maintenance			5578		Switching of output pages/ driving counts at PM / Y	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-6192.) 1: PM time counter (The timing is set at 08-6193.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5579		Switching of output pages/ driving counts at PM / M	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5550.) 1: PM time counter (The timing is set at 08-5551.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5580		Switching of output pages/ driving counts at PM / C	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5552.) 1: PM time counter (The timing is set at 08-5553.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Maintenance			5585		Switching of output pages/ driving counts at PM / 2nd transfer roller	0	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-5552.) 1: PM time counter (The timing is set at 08-5553.) 2: Whichever comes faster	1	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	0	Present number of output pages	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 496,000 e-STUDIO6560C: 550,000 e-STUDIO6570C: 606,000	4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	2	Number of output pages at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	3	Present driving counts	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	4	Recommended driving counts to be replaced	628000	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	5	Driving counts at the last replacement	0	0~9999999 9	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5608	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (1)		5609		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 496,000 e-STUDIO6560C: 550,000 e-STUDIO6570C: 606,000	4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	4	Recommended driving counts to be replaced	628000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5610	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	VOC filter (2)		5611		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (%)	5810	0	K	3	1-99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (%)	5810	1	Y	6	1-99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (%)	5810	2	M	6	1-99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (%)	5810	3	C	6	1-99	M	This code is used when the value of 08-5155 is set to "4". Use this code to specify the threshold value (unit: %) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	0	K	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	1	Y	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	2	M	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Process	Development	Toner near empty	Toner near-empty status threshold value setting (number of sheets)	5811	3	C	2000	1~9999	M	This code is used when the value of 08-5155 is set to "5". Use this code to specify the threshold value (unit: number of sheets) for displaying the toner near-empty status. The accuracy of value is influenced by usage environment or originals.	4	
08	Setting mode	Counter	Double count	For fee charging	Paper size	6010		Large-sized paper	Refer to contents	0~2	M	0: Counted as 1 1: Counted as 2 2: Counted as 1 (Mechanical counter is double counter) <Default value> JPD: 0 Others: 1	1	Yes
08	Setting mode	Counter	Double count	For fee charging	Paper size	6011		Definition setting of large sized paper	0	0~1	M	0: A3/LD 1: A3/LD/B4/LG/FOLIO/COMP	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper size	6012		Large-sized paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper size	6013		Definition setting of large sized paper	1	0~1	M	0: A3/LD 1: A3/LD/B4/LG/FOLIO/COMP	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6014		Thick paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6015		OHP	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6017		Tab paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Double count	For PM	Paper type	6018		Count setting of special paper	1	0~1	M	0: Counted as 1 1: Counted as 2	1	Yes
08	Setting mode	Counter	Counter	Display of number of output pages at Full Color Mode in Copier Function		6060	0	Large	0	0~9999999 9	SYS	Counts the number of output pages at the Full Color Mode in the Copier Function according to its size (large/small) Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Counter	Display of number of output pages at Full Color Mode in Copier Function		6060	1	Small	0	0-99999999	SYS	Counts the number of output pages at the Full Color Mode in the Copier Function according to its size (large/small) Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Twin Color / Monocolor Mode in Copier Function		6062	0	Large	0	0-99999999	SYS	Counts the number of output pages at the Twin Color Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Twin Color / Monocolor Mode in Copier Function		6062	1	Small	0	0-99999999	SYS	Counts the number of output pages at the Twin Color Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Black Mode in Printer Function		6064	0	Large	0	0-99999999	SYS	Counts the number of output pages at the Black Mode in the Printer Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages at Black Mode in Printer Function		6064	1	Small	0	0-99999999	SYS	Counts the number of output pages at the Black Mode in the Printer Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages in FAX function		6066	0	Large	0	0-99999999	SYS	Counts the number of output pages in the FAX Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of output pages in FAX function		6066	1	Small	0	0-99999999	SYS	Counts the number of output pages in the FAX Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Full Color Mode in Scanning Function		6068	0	Large	0	0-99999999	SYS	Counts the number of scanning pages at the Full Color Mode in the Scanning Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Counter	Display of number of scanning pages at Full Color Mode in Scanning Function		6068	1	Small	0	0-99999999	SYS	Counts the number of scanning pages at the Full Color Mode in the Scanning Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Black Mode in Copier Function		6070	0	Large	0	0-99999999	SYS	Counts the number of scanning pages at the Black Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Counter	Display of number of scanning pages at Black Mode in Copier Function		6070	1	Small	0	0-99999999	SYS	Counts the number of scanning pages at the Black Mode in the Copier Function according to its size (large/small). Large: Number of output pages of large-sized paper defined at 08-6011 Small: Number of output pages other than set as large-sized paper	14	
08	Setting mode	Counter	Low color	Copy		6075	0	Large	0	0-99999999	SYS	Displays the charging counter of pages judged as low color.	14	
08	Setting mode	Counter	Low color	Copy		6075	1	Small	0	0-99999999	SYS	Displays the charging counter of pages judged as low color.	14	
08	Setting mode	Counter	Low color	Print		6076	0	Large	0	0-99999999	SYS	Displays the charging counter of pages judged as low color.	14	
08	Setting mode	Counter	Low color	Print		6076	1	Small	0	0-99999999	SYS	Displays the charging counter of pages judged as low color.	14	
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Scanning	6081	0	Black/Gray	0	0-9999	SYS	Weights subtraction of scanning from department/user Job Quota and addition of Scan Counter to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator	Weighting/Scanning	6081	1	Full Color	0	0-9999	SYS	Weights subtraction of scanning from department/user Job Quota and addition of Scan Counter to Custom Counter. 0 (weight: 0.00) – 9999 (weight: 99.99)	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	1	Thick1/2/3/4 (Back)	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	2	Special1/2 (Back)	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Double count setting for paper type			6083	3	Transparency	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	4	Envelope	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Double count setting for paper type			6083	5	Tab paper	Refer to contents	0~1	SYS	Sets the weight of fee charging count for printing per page. Scan counter and fax counter are not influenced. 0: Single 1: Double <Default value> JPC/CND: 0 Others: 1	4	Yes
08	Setting mode	Counter	Custom counter/Job Quota	For administrator		6084		Enabling/Disabling custom counter/Job Quota	0	0~1	SYS	When this setting is enabled, the custom counter and Job Quota of department/user are enabled. Related code: 08-6081. When this setting is enabled, 08-6010 does not affect the counter/Quota of department/user. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	Counter	Counter Settings			6087		Color/Black quota selection at twin/mono color count	0	0~1	SYS	When the pages are counted for twin/mono color counter, this code sets whether the pages are subtracted from ColorQuota or BlackQuota. Not all the pages of TwinColor/MonoColor are subtracted. The pages assigned to twin/mono color counter are subtracted. The setting of this code is enabled only in the Color/BlackQuota mode and not enabled in the JobQuota mode. If the value of this code is set to "0" (ColorQuota), an error occurs if a user without color permission performs twin color printing. Note that the same error occurs in the JobQuota mode. 0: ColorQuota 1: BlackQuota Related code: 08-6084, 08-9128, 08-9892	1	
08	Setting mode	Counter	Sheet counter	Copy		6093	0	Large	0	0~99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	Copy		6093	1	Small	0	0~99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	Print		6094	0	Large	0	0~99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	Print		6094	1	Small	0	0~99999999	SYS	Number of sheets	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Sheet counter	List		6095	0	Large	0	0-99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	List		6095	1	Small	0	0-99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	FAX		6096	0	Large	0	0-99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	FAX		6096	1	Small	0	0-99999999	SYS	Number of sheets	14	
08	Setting mode	Counter	Sheet counter	Copy		6097	0	A3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	1	A4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	2	A5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	3	A6	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	4	B4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	5	B5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	6	FOLIO	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	7	LD	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	8	LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	9	LT	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	10	ST	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	11	COMP	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	12	13"LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	13	8.5"SQ	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	14	16k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	15	8k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	16	Wide	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	18	SRA3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	19	13x19"	0	0-99999999	SYS	Number of sheets	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Sheet counter	Copy		6097	20	Envelope	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	21	Long a	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	22	Long b	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	23	Custom Small	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	24	Custom Large	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Copy		6097	25	Undefined	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	0	A3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	1	A4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	2	A5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	3	A6	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	4	B4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	5	B5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	6	FOLIO	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	7	LD	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	8	LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	9	LT	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	10	ST	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	11	COMP	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	12	13"LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	13	8.5"SQ	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	14	16k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	15	8k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	16	Wide	0	0-99999999	SYS	Number of sheets	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	Sheet counter	Print		6098	18	SRA3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	19	13x19"	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	20	Envelope	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	21	Long a	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	22	Long b	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	23	Custom Small	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	24	Custom Large	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	Print		6098	25	Undefined	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	0	A3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	1	A4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	2	A5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	3	A6	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	4	B4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	5	B5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	6	FOLIO	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	7	LD	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	8	LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	9	LT	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	10	ST	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	11	COMP	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	12	13"LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	13	8.5"SQ	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	14	16k	0	0-99999999	SYS	Number of sheets	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	Sheet counter	List		6099	15	8k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	16	Wide	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	18	SRA3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	19	13x19"	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	20	Envelope	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	21	Long a	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	22	Long b	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	23	Custom Small	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	24	Custom Large	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	List		6099	25	Undefined	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	0	A3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	1	A4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	2	A5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	3	A6	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	4	B4	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	5	B5	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	6	FOLIO	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	7	LD	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	8	LG	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	9	LT	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	10	ST	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	11	COMP	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	12	13"LG	0	0-99999999	SYS	Number of sheets	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Sheet counter	FAX		6100	13	8.5"SQ	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	14	16k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	15	8k	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	16	Wide	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	18	SRA3	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	19	13x19"	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	20	Envelope	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	21	Long a	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	22	Long b	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	23	Custom Small	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	24	Custom Large	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Sheet counter	FAX		6100	25	Undefined	0	0-99999999	SYS	Number of sheets	4	
08	Setting mode	Counter	Counter of Paper feed			6110		1st drawer	0	0-99999999	M	Counts the number of sheets fed from 1st drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6111		2nd drawer	0	0-99999999	M	Counts the number of sheets fed from 2nd drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6112		Bypass feed	0	0-99999999	M	Counts the number of sheets fed from bypass feed.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6113		T-LCF	0	0-99999999	M	Counts the number of sheets fed from T-LCF.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6114		3rd drawer	0	0-99999999	M	Counts the number of sheets fed from 3rd drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6115		4th drawer	0	0-99999999	M	Counts the number of sheets fed from 4th drawer.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6116		ADU	0	0-99999999	M	Counts the number of output pages of duplex printing.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6117		RADF	0	0-99999999	SYS	Counts the number of originals fed from RADF.	2	Yes
08	Setting mode	Counter	Counter of Paper feed			6118		Counter for O-LCF feeding	0	0-99999999	M	Counts the number of sheets fed from O-LCF	2	
08	Setting mode	Counter	Counter			6162		Counter for image quality TRC control failure (EFI)/ 0 clearing	0	0-99999999	SYS	Counts when image quality TRC control failed due to failure in acquiring PM resource upon the reception of an image quality TRC control execution command.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Maintenance	PM counter	K	6190		Setting value	Refer to contents	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	K	6191		Setting value	314000	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	
08	Setting mode	Counter	Maintenance	PM counter	Y	6192		Setting value	Refer to contents	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed <Default> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000 [Unit: page]	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	Y	6193		Setting value	314000	0~9999999 9	M	Sets the threshold for displaying a message for PM timing. 0: Not displayed [Unit: count]	1	
08	Setting mode	Counter	Maintenance	PM counter	K	6194		Current value	0	0~9999999 9	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6250-0	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	K	6195		Current value	0	0~9999999 9	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6250-3	1	Yes
08	Setting mode	Counter	Maintenance	PM counter	Y	6196		Current value	0	0~9999999 9	M	Counts up when the registration sensor is ON. 0: clear (Unit: page) same as 08-6252-0	1	Yes
08	Setting mode	Counter	Maintenance	PM drive counter	Y	6197		Current value	0	0~9999999 9	M	Counts the drum driving time. 0: clear (Unit: 1 count = 2 seconds) *Decelerating/Accelerating mode; 1 count = 4 seconds Same as 08-6252-3	1	Yes
08	Setting mode	Counter	Maintenance			6198		Switching of output pages/ driving counts at PM / K	2	0~2	M	Selects the reference to notify the PM timing. (The message is displayed on the LCD screen.) 0: PM counter (The number of output pages is set at 08-6190.) 1: PM drive counter (The timing is set at 08-6191.) 2: Whichever comes faster	1	
08	Setting mode	Counter	Process			6211		Accumulated counter of output pages since the performing of image quality control	0	0~9999	M	Cleared to "0" by the image quality closed-loop control. Counts up with the number of printing job received after this control.	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Process			6223		Number of output pages (Thick paper 4)	0	0~9999999 9	M	Counts up when the registration sensor is ON in the thick paper 4 mode.	1	
08	Setting mode	Counter	Process			6225		Number of output pages (Thick paper 1)	0	0~9999999 9	M	Counts up when the registration sensor is ON in the thick paper 1 mode.	1	
08	Setting mode	Counter	Process			6226		Number of output pages (Thick paper 2)	0	0~9999999 9	M	Counts up when the registration sensor is ON in the thick paper 2 mode.	1	
08	Setting mode	Counter	Process			6227		Number of output pages (Thick paper 3)	0	0~9999999 9	M	Counts up when the registration sensor is ON in the thick paper 3 mode.	1	
08	Setting mode	Counter	Process			6228		Number of output pages (OHP film)	0	0~9999999 9	M	Counts up when the registration sensor is ON in the OHP film mode.	1	
08	Setting mode	Counter	Charger			6229	0	Main charger needle electrode cleaning counter display/0 clearing	0	0~9999999 9	M	Does not count up when cleaning is not effective.	4	
08	Setting mode	Counter	Charger			6229	1	Main charger needle electrode cleaning counter display/0 clearing	0	0~9999999 9	M	Does not count up when cleaning is not effective.	4	
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6230		1st drawer	0	0~9999999 9	M	Counts the number of times of the feeding retry from the 1st drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6231		2nd drawer	0	0~9999999 9	M	Counts the number of times of the feeding retry from the 2nd drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6232		3rd drawer	0	0~9999999 9	M	Counts the number of times of the feeding retry from the 3rd drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6233		4th drawer	0	0~9999999 9	M	Counts the number of times of the feeding retry from the 4th drawer.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6234		Bypass feed	0	0~9999999 9	M	Counts the number of times of the feeding retry from the bypass tray.	1	Yes
08	Setting mode	Counter	Feeding system/Paper transport	Feeding retry counter		6235		T-LCF	0	0~9999999 9	M	Counts the number of times of the feeding retry from the T-LCF.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6236		Feeding retry counter upper limit value(1st drawer)	10	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6237		Feeding retry counter upper limit value(2nd drawer)	10	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6238		Feeding retry counter upper limit value(3rd drawer)	10	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6239		Feeding retry counter upper limit value(4th drawer)	10	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6240		Feeding retry counter upper limit value(bypass feed)	20	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6241		Feeding retry counter upper limit value (T-LCF)	10	0~9999999 9	M	When the number of feeding retry (08-6230 to 08-6235) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Feeding system/Paper transport			6242		Feeding retry counter (O-LCF)	0	0~9999999 9	M	Counts the number of times of the feeding retry from the O-LCF.	1	
08	Setting mode	Counter	Counter			6243		Counter for special paper	0	0~9999999 9	M	Counts up when the registration sensor is ON in the special paper mode.	1	
08	Setting mode	Counter	Counter	Counter for tab paper	Counter for tab paper	6244		Counter for tab paper	0	0~9999999 9	M	Counts up when the registration sensor is ON in the tab paper mode.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Feeding system/Paper transport			6245		Feeding retry counter upper limit value (O-LCF)	10	0-99999999	M	When the number of feeding retry (08-6242) exceeds the setting value, the feeding retry will not be performed subsequently. In case "0" is set as a setting value, however, the feeding retry continues regardless of the counter setting value. In this equipment, a toner image is formed on the transfer belt prior to a paper feeding. When the feeding retry occurs and the transport timing is delayed, the toner image on the transfer belt is cleaned off without the 2nd transfer since the paper cannot be reached for the 2nd transfer process. After that, the toner image formation is retried while the paper is waited. In this case, the toner for this image formation is consumed wastefully since the toner image on the transfer belt is already cleaned off, even though the printing is normally completed. Therefore, note that the excessive toner will be consumed consequently when the upper limit value of feeding retry counter is set larger or set as "0" (no limit). The toner is also consumed wastefully when the paper misfeeding occurs. Replace the roller at earlier timing if the paper misfeedings have occurred frequently.	1	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	0	Y	0	0-99999999	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	1	M	0	0-99999999	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	2	C	0	0-99999999	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	Toner	Backup counter for rotation time of toner refill motor		6249	3	K	0	0-99999999	M	The rotation time of toner refill motor is stored when the toner cartridge becomes empty.	14	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	5	Driving counts at the last replacement	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(K)		6250	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum		6251		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6252	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(Y)		6253		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	7	Present driving counts for control	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6254	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(M)		6255		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6256	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Photoconductive drum(C)		6257		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6258	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(K)		6259		Date of previous replacement	0	8 digits	M		2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6260	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(Y)		6261		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6262	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(M)		6263		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	0	Present number of output pages	0	0~99999999	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	2	Number of output pages at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	3	Present driving counts	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	4	Recommended driving counts to be replaced	314000	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	5	Driving counts at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	6	Present output pages for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	7	Present driving counts for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6264	8	Number of times replaced	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Drum cleaning blade(C)		6265		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	0	Present number of output pages	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	2	Number of output pages at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	3	Present driving counts	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	4	Recommended driving counts to be replaced	244000	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	5	Driving counts at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	6	Present output pages for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	7	Present driving counts for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6268	8	Number of times replaced	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-2		6269		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	0	Present number of output pages	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6270	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt facing roller cleaner		6271		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6274	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(K)		6275		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	0	Present number of output pages	0	0-99999999	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	2	Number of output pages at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	3	Present driving counts	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	4	Recommended driving counts to be replaced	314000	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	5	Driving counts at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	6	Present output pages for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	7	Present driving counts for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6276	8	Number of times replaced	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(Y)		6277		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	0	Present number of output pages	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	2	Number of output pages at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	3	Present driving counts	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	4	Recommended driving counts to be replaced	314000	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	5	Driving counts at the last replacement	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	6	Present output pages for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	7	Present driving counts for control	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6278	8	Number of times replaced	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(M)		6279		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	0	Present number of output pages	0	0~9999999 9	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	1	Recommended number of output pages for replacement	Refer to contents	0~9999999 9	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6280	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger grid(C)		6281		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6282	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(K)		6283		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	3	Present driving counts	0	0~99999999	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6284	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(Y)		6285		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6286	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(M)		6287		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	5	Driving counts at the last replacement	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6288	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger (Wire/needle)(C)		6289		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6290	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(K)		6291		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	7	Present driving counts for control	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6292	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(Y)		6293		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6294	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(M)		6295		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6296	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Charger cleaning pad(C)		6297		Date of previous replacement	0	8 digits	M		2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	4	Recommended driving counts to be replaced	314000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6298	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Ozone filter-1		6299		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6300	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(K)		6301		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	0	Present number of output pages	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	5	Driving counts at the last replacement	0	0~99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6302	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(Y)		6303		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6304	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(M)		6305		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6306	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Developer material(C)		6307		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Toner filter		6308	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Toner filter		6308	2	Number of output pages at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	4	Recommended driving counts to be replaced	244000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6308	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	Toner filter		6309		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	0	Present number of output pages	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 900,000 e-STUDIO6560C: 1,000,000 e-STUDIO6570C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	2	Number of output pages at the last replacement	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	3	Present driving counts	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	4	Recommended driving counts to be replaced	1140000	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	5	Driving counts at the last replacement	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	6	Present output pages for control	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	7	Present driving counts for control	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6314	8	Number of times replaced	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(K)		6315		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	0	Present number of output pages	0	0~99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	1	Recommended number of output pages for replacement	Refer to contents	0~99999999	M	<Default value> e-STUDIO5560C: 900,000 e-STUDIO6560C: 1,000,000 e-STUDIO6570C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	2	Number of output pages at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	3	Present driving counts	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	4	Recommended driving counts to be replaced	1140000	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	5	Driving counts at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	6	Present output pages for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	7	Present driving counts for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6316	8	Number of times replaced	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(Y)		6317		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	0	Present number of output pages	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 900,000 e-STUDIO6560C: 1,000,000 e-STUDIO6570C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	2	Number of output pages at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	3	Present driving counts	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	4	Recommended driving counts to be replaced	1140000	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	5	Driving counts at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	6	Present output pages for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	7	Present driving counts for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6318	8	Number of times replaced	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(M)		6319		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	0	Present number of output pages	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 900,000 e-STUDIO6560C: 1,000,000 e-STUDIO6570C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	2	Number of output pages at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	3	Present driving counts	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	4	Recommended driving counts to be replaced	1140000	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	5	Driving counts at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	6	Present output pages for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	7	Present driving counts for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6320	8	Number of times replaced	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	1st transfer roller(C)		6321		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt		6328	0	Present number of output pages	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 900,000 e-STUDIO6560C: 1,000,000 e-STUDIO6570C: 1,100,000 * This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	2	Number of output pages at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	3	Present driving counts	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	4	Recommended driving counts to be replaced	1140000	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	5	Driving counts at the last replacement	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	6	Present output pages for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	7	Present driving counts for control	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6328	8	Number of times replaced	0	0-99999999	M	* This part is not set to be controlled in the PM support mode.	4	
08	Setting mode	Counter	PM counter	Transfer belt		6329		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	2	Number of output pages at the last replacement	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	4	Recommended driving counts to be replaced	314000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6332	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Transfer belt cleaning blade		6333		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	4	Recommended driving counts to be replaced	266000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6340	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller		6341		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	3	Present driving counts	0	0-99999999	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	4	Recommended driving counts to be replaced	266000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6342	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller blade cleaner		6343		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pressure roller		6350	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 450,000 e-STUDIO6560C: 500,000 e-STUDIO6570C: 550,000	4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	4	Recommended driving counts to be replaced	1804000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6350	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller		6351		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 450,000 e-STUDIO6560C: 500,000 e-STUDIO6570C: 550,000	4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	2	Number of output pages at the last replacement	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	4	Recommended driving counts to be replaced	1804000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6370	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pressure roller separation finger		6371		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser belt		6372	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 225,000 e-STUDIO6560C: 250,000 e-STUDIO6570C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	4	Recommended driving counts to be replaced	902000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6372	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt		6373		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser roller		6374	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 225,000 e-STUDIO6560C: 250,000 e-STUDIO6570C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	4	Recommended driving counts to be replaced	902000	0-99999999	M		4	

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05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Fuser roller		6374	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6374	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser roller		6375		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 225,000 e-STUDIO6560C: 250,000 e-STUDIO6570C: 275,000	4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	4	Recommended driving counts to be replaced	902000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6376	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Fuser belt guide		6377		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	0	Present number of output pages	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	1	Recommended number of output pages for replacement	120000	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	2	Number of output pages at the last replacement	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6382	8	Number of times replaced	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Pickup roller (RADF)		6383		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	0	Present number of output pages	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	1	Recommended number of output pages for replacement	120000	0-99999999	SYS		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	2	Number of output pages at the last replacement	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6384	8	Number of times replaced	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Feed roller (RADF)		6385		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	0	Present number of output pages	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	1	Recommended number of output pages for replacement	120000	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	2	Number of output pages at the last replacement	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6386	8	Number of times replaced	0	0-99999999	SYS		4	
08	Setting mode	Counter	PM counter	Separation roller (RADF)		6387		Date of previous replacement		8 digits	SYS		2	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	1	Recommended number of output pages for replacement	400000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6388	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Tandem LCF)		6389		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6390	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (1st drawer)		6391		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6392	8	Number of times replaced	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Pickup roller (2nd drawer)		6393		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	1	Recommended number of output pages for replacement	500000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6394	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Optional LCF)		6395		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	1	Recommended number of output pages for replacement	400000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6396	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (T-LCF)		6397		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6398	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (1st drawer)		6399		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6400	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (2nd drawer)		6401		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	0	Present number of output pages	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	1	Recommended number of output pages for replacement	500000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6402	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (O-LCF)		6403		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	1	Recommended number of output pages for replacement	400000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6404	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (T-LCF)		6405		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6406	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (1st drawer)		6407		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6408	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (2nd drawer)		6409		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	1	Recommended number of output pages for replacement	500000	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6410	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (O-LCF)		6411		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6412	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (3rd drawer)		6413		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6414	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (4th drawer)		6415		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	1	Recommended number of output pages for replacement	100000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6416	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Separation roller (Bypass unit)		6417		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6420	8	Number of times replaced	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Feed roller (3rd drawer)		6421		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6422	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (4th drawer)		6423		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	1	Recommended number of output pages for replacement	100000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6424	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Feed roller (Bypass unit)		6425		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6428	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (3rd drawer)		6429		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	1	Recommended number of output pages for replacement	200000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6430	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (4th drawer)		6431		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass unit)		6432	0	Present number of output pages	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	Pickup roller (Bypass unit)		6432	1	Recommended number of output pages for replacement	100000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass unit)		6432	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass unit)		6432	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	Pickup roller (Bypass unit)		6433		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	0	Threshold to display the near empty message (center)	2000	0-99999999	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	1	Remaining level threshold: 75	515	0-99999999	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	2	Remaining level threshold: 50	1030	0-99999999	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	3	Remaining level threshold: 25	1545	0-99999999	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	4	Threshold to display the near empty message (longer)	1965	0-99999999	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	5	Threshold to display the near empty message (shorter)	2030	0-99999999	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	K toner		6451	6	Remaining level threshold: 0	2060	0-99999999	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	0	Threshold to display the near empty message (center)	865	0-99999999	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	1	Remaining level threshold: 75	235	0-99999999	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	2	Remaining level threshold: 50	465	0-99999999	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	3	Remaining level threshold: 25	700	0-9999999 9	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	4	Threshold to display the near empty message (longer)	830	0-9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	5	Threshold to display the near empty message (shorter)	900	0-9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	Y toner		6452	6	Remaining level threshold: 0	935	0-9999999 9	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	0	Threshold to display the near empty message (center)	865	0-9999999 9	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	1	Remaining level threshold: 75	235	0-9999999 9	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	2	Remaining level threshold: 50	465	0-9999999 9	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	3	Remaining level threshold: 25	700	0-9999999 9	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	4	Threshold to display the near empty message (longer)	830	0-9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	5	Threshold to display the near empty message (shorter)	900	0-9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	M toner		6453	6	Remaining level threshold: 0	935	0-9999999 9	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	0	Threshold to display the near empty message (center)	865	0~9999999 9	M	Sets the timing for when the toner near empty display appears. The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	1	Remaining level threshold: 75	235	0~9999999 9	M	Sets the timing for when the toner remaining level is 75% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	2	Remaining level threshold: 50	465	0~9999999 9	M	Sets the timing for when the toner remaining level is 50% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	3	Remaining level threshold: 25	700	0~9999999 9	M	Sets the timing for when the toner remaining level is 25% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	4	Threshold to display the near empty message (longer)	830	0~9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is longer (larger) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	5	Threshold to display the near empty message (shorter)	900	0~9999999 9	M	Sets the timing for when the toner near empty display appears. The period of time (number of counts) from the appearance of the near empty display to actually running out of toner is shorter (smaller) than that of "center". The larger the value, the later the display appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Threshold for nearly empty	C toner		6454	6	Remaining level threshold: 0	935	0~9999999 9	M	Sets the timing for when the toner remaining level is 0% appears. [Unit: 1 count = 500 ms]	4	Yes
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	0	Y	0	0~9999999 9	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	1	M	0	0~9999999 9	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	2	C	0	0~9999999 9	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	Counter	Sub-hopper toner motor driving time counter		6466	3	K	0	0~9999999 9	M	Counts the drive count of each sub-hopper toner motor.	4	
08	Setting mode	Counter	General			6467		Number of output pages available at toner cartridge replacement (during cover open)	2	0~7	SYS	0: 01: 1002: 2003: 5004: 10005: 15006: 20007: No limitation(99999999)[Unit. page]	1	
08	Setting mode	Counter	Development	Toner / carrier supply motor driving time counter display		6469	0	Y	0	0~9999999 9	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	Counter	Development	Toner / carrier supply motor driving time counter display		6469	1	M	0	0-99999999	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	Development	Toner / carrier supply motor driving time counter display		6469	2	C	0	0-99999999	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	Development	Toner / carrier supply motor driving time counter display		6469	3	K	0	0-99999999	M	Counts the driving time of each sub-hopper toner motor. This value is the accumulation since the start of use or the last replacement of developer material.	4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 248,000 e-STUDIO6560C: 275,000 e-STUDIO6570C: 303,000	4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	2	Number of output pages at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	3	Present driving counts	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	4	Recommended driving counts to be replaced	266000	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	5	Driving counts at the last replacement	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	6	Present output pages for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	7	Present driving counts for control	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6482	8	Number of times replaced	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	2nd transfer roller lubricant unit		6483		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	0	Present number of output pages	0	0-99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	1	Recommended number of output pages for replacement	Refer to contents	0-99999999	M	<Default value> e-STUDIO5560C: 496,000 e-STUDIO6560C: 550,000 e-STUDIO6570C: 606,000	4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	2	Number of output pages at the last replacement	0	0-99999999	M		4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	3	Present driving counts	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	4	Recommended driving counts to be replaced	532000	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	5	Driving counts at the last replacement	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	6	Present output pages for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	7	Present driving counts for control	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6484	8	Number of times replaced	0	0~99999999	M		4	
08	Setting mode	Counter	PM counter	TRU waste toner box		6485		Date of previous replacement	0	8 digits	M		2	
08	Setting mode	Pixel counter	Setting			6500		Standard paper size	Refer to contents	0~1	SYS	Selects the standard paper size to convert it into the pixel count (%). 0: A4 1: LT <Default value> NAD/NAC: 1 Others: 0	1	
08	Setting mode	Pixel counter	Clearing			6501		All clearing			SYS	Clears all information related to the pixel counter.	3	
08	Setting mode	Pixel counter	Clearing			6502		Service technician reference counter			SYS	Clears all information related to the service technician reference pixel counter.	3	
08	Setting mode	Pixel counter	Clearing			6503		Toner cartridge reference counter			SYS	Clears all information related to the toner cartridge reference pixel counter.	3	
08	Setting mode	Pixel counter	Setting			6504		Pixel counter display	1	0~1	SYS	Selects whether or not to display the pixel counter on the LCD screen. 0: Displayed 1: Not displayed	1	
08	Setting mode	Pixel counter	Setting			6505		Displayed reference	0	0~1	SYS	Selects the reference when displaying the pixel counter on the LCD screen. 0: Service technician reference 1: Toner cartridge reference	1	
08	Setting mode	Pixel counter	Setting			6506		Toner empty determination counter	0	0~1	SYS	Selects the counter to determine toner empty. 0: Output pages 1: Pixel counter	1	
08	Setting mode	Pixel counter	Setting	Threshold setting for toner empty determination		6507		Output pages	500	0~999	SYS	Sets the number of output pages to determine toner empty. This setting is valid when "0" is set at 08-6506.	1	
08	Setting mode	Pixel counter	Setting	Threshold setting for toner empty determination		6508		Pixel counter	21500	0~60000	SYS	Sets the number of output pages to determine toner empty. This setting is valid when "1" is set at 08-6506.	1	
08	Setting mode	Pixel counter	Clearing	Flag		6509		Service technician reference	0	0~1	SYS	Becomes "1" when 08-6502 is performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date		6510		Service technician reference			SYS	Displays the date on which 08-6502 was performed.	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6511		Y			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6512		M			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6513		C			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Cleared date	Toner cartridge reference	6514		K			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6519		Y			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6520		M			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6521		C			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Display	Count started date	Toner cartridge reference	6522		K			SYS	Displays the date on which 08-6503 was performed.	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PPC	6557		Full color	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode and service technician reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PPC	6558		Black	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, black mode and service technician reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PRT	6559		Full color	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode and service technician reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	PRT	6560		Black	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, black mode and service technician reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Service technician reference	FAX	6561		Black	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the FAX function, black mode and service technician reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6562		Full color (K)	0	0-99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner K and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6563		Black	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, black mode and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6564		Full color (K)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner K and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6565		Black	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, black mode and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	FAX	6566		Black	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the FAX function, black mode and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6567		Full color (Y)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner Y and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6568		Full color (Y)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner Y and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6569		Full color (M)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner M and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6570		Full color (M)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner M and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PPC	6571		Full color (C)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the copy function, full color mode, toner C and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Number of output pages	Toner cartridge reference	PRT	6572		Full color (C)	0	0~99999999	SYS	Counts the number of output pages converted to the standard paper size in the printer function, full color mode, toner C and toner cartridge reference. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6573		Y	0	0~999	SYS	Counts the number of time of the toner cartridge Y replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6574		M	0	0~999	SYS	Counts the number of time of the toner cartridge M replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6575		C	0	0~999	SYS	Counts the number of time of the toner cartridge C replacement.	2	
08	Setting mode	Pixel counter	Counter	Toner cartridge replacement counter		6576		K	0	0~999	SYS	Counts the number of time of the toner cartridge K replacement.	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6587		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6588		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6589		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6590		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6591		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6592		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6593		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6594		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6595		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6596		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6597		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6598		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6599		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6600		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT	6601		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC	6602		Black	0	0~10000	SYS	Displays the average pixel count in the copy function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PRT	6603		Black	0	0~10000	SYS	Displays the average pixel count in the printer function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	FAX	6604		Black	0	0~10000	SYS	Displays the average pixel count in the FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Service technician reference	PPC/PRT/FAX	6605		Black	0	0~10000	SYS	Displays the average pixel count in the copy/printer/FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6606		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6607		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6608		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6609		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6610		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6611		Full color (Y+M+C+K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, all toner and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6612		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner Y and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6613		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner M and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6614		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner C and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6615		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner K and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PPC	6616		Black	0	0~10000	SYS	Displays the latest pixel count in the copy function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	PRT	6617		Black	0	0~10000	SYS	Displays the latest pixel count in the printer function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Service technician reference	FAX	6618		Black	0	0~10000	SYS	Displays the latest pixel count in the FAX function, black mode and service technician reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6619		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6620		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6621		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6622		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the copy function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6623		Black	0	0~10000	SYS	Displays the average pixel count in the copy function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC	6624		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the copy function, full color/black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6625		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6626		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6627		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6628		Full color (K)	0	0~10000	SYS	Displays the average pixel count in the printer function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6629		Black	0	0~10000	SYS	Displays the average pixel count in the printer function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PRT	6630		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the printer function, full color/black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6631		Full color (Y)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6632		Full color (M)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT	6633		Full color (C)	0	0~10000	SYS	Displays the average pixel count in the copy/printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	PPC/PRT/FAX	6634		Full color (K)+black	0	0~10000	SYS	Displays the average pixel count in the copy/printer/FAX function, black mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Average pixel count/Toner cartridge reference	FAX	6635		Black	0	0~10000	SYS	Displays the average pixel count in the FAX function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6636		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner Y and toner cartridge reference.[Unit:0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6637		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6638		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PPC	6639		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the copy function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6640		Full color (Y)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner Y and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6641		Full color (M)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner M and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6642		Full color (C)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner C and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	PRT	6643		Full color (K)	0	0~10000	SYS	Displays the latest pixel count in the printer function, full color mode, toner K and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/Toner cartridge reference	FAX	6644		Black	0	0~10000	SYS	Displays the latest pixel count in the FAX function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	0	0-5%	0	0~99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PPC	6713	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PPC	6714	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PPC	6715	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PPC	6716	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (Y)	PRT	6717	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner Y are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (M)	PRT	6718	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner M are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (C)	PRT	6719	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner C are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/full color (K)	PRT	6720	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function, full color mode and toner K are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PPC	6721	9	80.1-100%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the copy function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	0	0-5%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	1	5.1-10%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	2	10.1-15%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	3	15.1-20%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	4	20.1-25%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	5	25.1-30%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	6	30.1-40%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	7	40.1-60%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	8	60.1-80%	0	0-9999999 9	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	PRT	6722	9	80.1-100%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the printer function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	0	0-5%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	1	5.1-10%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	2	10.1-15%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	3	15.1-20%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	4	20.1-25%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	5	25.1-30%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	6	30.1-40%	0	0-99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	7	40.1-60%	0	0~99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	8	60.1-80%	0	0~99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Pixel count distribution/black	FAX	6723	9	80.1-100%	0	0~99999999	SYS	The pixel count data are divided into 10 ranges. The number of output pages in each range is displayed. In this code, the distributions in the FAX function and black mode are displayed. The last two digits indicate the values after the decimal point. One hundredth of the indicated value is "converted number of sheets for A4/LT".	14	
08	Setting mode	Pixel counter	Counter	Latest pixel count/black(Toner cartridge reference)	PPC	6724		Black	0	0~10000	SYS	Displays the latest pixel count in the copy function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Pixel counter	Counter	Latest pixel count/black(Toner cartridge reference)	PRT	6725		Black	0	0~10000	SYS	Displays the latest pixel count in the printer function, black mode and toner cartridge reference. [Unit: 0.01%]	2	
08	Setting mode	Counter	Counter			6902		Total counter (decelerating 2)	0	0~99999999	M		1	
08	Setting mode	Counter	Counter			6970		Plain paper 1	0	0~99999999	M		1	
08	Setting mode	Counter	Counter			6971		Plain paper 2	0	0~99999999	M		1	
08	Setting mode	Counter	Counter			6972		Plain paper 1	0	0~99999999	M		1	
08	Setting mode	Counter	Counter			6973		Plain paper 2	0	0~99999999	M		1	
08	Setting mode	Counter	Image control			6997		Counter for number of execution of image quality control	0	0~99999999	M	Only "0" can be input.	1	
08	Setting mode	Image Processing	Image			7000		Clearing of adjustment values of all image process 05/08 codes (PPC related areas only)			SYS clear	Clears adjustment values of all image process 05/08 codes (PPC related areas only).	3	
08	Setting mode	Image Processing	Image			7001		Clearing of all gamma correction table values (PPC related areas only)			SYS clear	Clears all the gamma correction table values (PPC related areas only).	3	
08	Setting mode	Image Processing	User interface	User custom mode setting	PPC	7034		Black	0	0~1	SYS	0: Unused 1: TEXT/PHOTO base	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	0	Plain paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	1	Plain paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	2	Recycled paper	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	3	Thick paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	4	Thick paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	5	Thick paper3	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	6	Thick paper4	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	7	Special paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	Color PPC	7052	8	Special paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Image			7300		Clearing of adjustment values of all image process 05/08 codes (related to NW print)			SYS clear	Clears adjustment values of all image process 05/08 codes (related to NW print).	3	
08	Setting mode	Image Processing	Image			7301		Gamma correction table (related to NW print) all clear			SYS clear	Clears all the gamma correction table values (related to NW print).	3	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	2	Recycled paper	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	3	Thick paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	4	Thick paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	5	Thick paper3	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	6	Thick paper4	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	7	Special paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/600dpi	7352	8	Special paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	0	Plain paper1	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	1	Plain paper2	0	0-4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	2	Recycled paper	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	3	Thick paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	4	Thick paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	5	Thick paper3	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	6	Thick paper4	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	7	Special paper1	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Automatic tone correction data	Last updated date and time	NW printer/1200dpi	7354	8	Special paper2	0	0~4212312 359	SYS	Last updated date and time of automatic tone correction data. YYMMDDHHMM YY: year, MM: month, DD: day, HH: hour, MM: minute	14	Yes
08	Setting mode	Image Processing	Image	Clearing of adjustment values of all image process 05/08 codes		7400		Network scan			SYS clear	Clears the values of the following codes: 05-7400 to 05-7499 05-8300 to 05-8399 08-7401, 8303, 8304	3	
08	Setting mode	Image Processing	User interface	User custom mode setting	NW SCN	7401		Black	0	0~3	SYS	0: Unused 1: B/W TEXT/PHOTO base 2: B/W TEXT base 3: B/W PHOTO base	1	Yes
08	Setting mode	Image Processing	Image			7500		Clearing of adjustment values of all image process (Fax) related 05 codes			SYS clear	Clears the adjustment values of the following codes: 05-7500 to 7599	3	
08	Setting mode	Image Processing	Image			7612		Image repeat gap	5	0~10	SYS	Unit: mm	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	Image Processing	User interface	User custom mode setting	PPC	7614		Color	0	0~5	SYS	0: Unused 1: TEXT/PHOTO base 2: TEXT base 3: Printed image base 4: Photo base 5: Map base	1	Yes
08	Setting mode	Image Processing	Image	PPC		7617		ADF noise reduction	3	0~3	SYS	Sets the adjustment level for reducing color streaks when the RADF is used. 3: Disabled (default) 2: Noise reduction level - Low 1: Noise reduction level - Middle (recommended) 0: Noise reduction level - High * The setting of this code is applied only when the Text/Photo mode is selected.	1	
08	Setting mode	Image Processing	User interface	Color NW printer	Display setting of red seal color mode	8005		Display of check box	Refer to contents	0~1	SYS	0: Display setting OFF 1: Display setting ON <Default value> CND: 1 Others: 0	1	
08	Setting mode	Image Processing	Image control			8103		Tone correction with image quality TRC control, switching between enabled/disabled	1	0~1	SYS	Switches whether tone correction with TRC control correction is enabled or disabled.0: Tone correction disabled 1: Tone correction enabled	1	
08	Setting mode	Image Processing	Image	Scanning		8300		ADF noise reduction	3	0~3	SYS	Sets the adjustment level for reducing color streaks when the RADF is used. 3: Disabled (default) 2: Noise reduction level - Low 1: Noise reduction level - Middle (recommended) 0: Noise reduction level - High	1	
08	Setting mode	Image Processing	User interface	User custom mode setting	NW SCN	8303		Color	0	0~4	SYS	0: Unused 1: TEXT base 2: Printed image base 3: Photo base 4: e-document base * e-document: This is the mode that corresponds to the law in Japan. This mode is used to clarify area where changes were made with such as a correction fluid.	1	Yes
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	0	High quality	128	0~255	SYS	Changes the JPEG compression ratio. The smaller the value, the higher the compression ratio becomes and the larger the value, the lower the compression ratio becomes.	4	
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	1	Standard	128	0~255	SYS	Changes the JPEG compression ratio. The smaller the value, the higher the compression ratio becomes and the larger the value, the lower the compression ratio becomes.	4	
08	Setting mode	Image Processing	Image	Quantized coefficient correction value / Standard JPEG images		8304	2	Low quality	128	0~255	SYS	Changes the JPEG compression ratio. The smaller the value, the higher the compression ratio becomes and the larger the value, the lower the compression ratio becomes.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8503		Media sensor detection history display			-	Displays the latest 20 events detected by the media sensor on the LCD screen.	2	
08	Setting mode	System	General			8504		Feeding method of odd page number in duplex printing (Raw print)	0	0~1	SYS	0: One side 1: Both sides	1	
08	Setting mode	System	General			8506		Forcible mode change in cartridge empty status	0	0~2	SYS	0: SLEEP MODE 1: AUTO POWER SAVE 2: READY	1	
08	Setting mode	System	General			8508		Controlling method for print image position adjustment in secondary scanning direction	2	0~2	SYS	0: No control 1: Cuts the image 2: Shifts the image	1	
08	Setting mode	System	General			8509		Controlling amount for print image position adjustment in secondary scanning direction	12	0~36	SYS	0-36	1	
08	Setting mode	System	General			8510		Menu display for controlling print image position adjustment in secondary scanning direction	0	0~1	SYS	0: Menu not displayed 1: Menu displayed	1	
08	Setting mode	System	General			8511		Wide A4 Mode (for PCL)	0	0~1	SYS	0: Disable 1: Enable	1	
08	Setting mode	System	General			8512		Number of jobs in batch processing	10	2~10	SYS	2-10: From 2 to jobs can be specified	1	
08	Setting mode	System	General	Overprint function setting		8513	0	For PDF printing	2	0~2	SYS	Enables or disables the overprinting function setting when printing PDF files. 0: OFF 1: ON 2: ON (only for PDF/X files)	4	
08	Setting mode	System	General	Overprint function setting		8513	1	For PostScript printing	0	0~1	SYS	Enables or disables the overprinting function setting when printing with PostScript. 0: OFF 1: ON	4	
08	Setting mode	System	General			8514		Threshold value setting for RIP standard paper judgment	20	5~30	SYS	This code is used for changing the range in which non-standard paper sizes are judged as standard ones. If the page size data are within the standard paper size \pm the setting value, the page size is judged as a standard paper size in PS/PDF printing. If the page size data are out of the range, the page size is judged as a non-standard paper size. The unit for the setting value is PS points. 1 PS point is approx. 0.35 mm.	1	Yes
08	Setting mode	System	General	Outside erase Judgment threshold (Default)		8515		PPC	0	-3~3	SYS	The larger the value, area to be erased increases. The smaller the value, area to be erased decreases.	1	
08	Setting mode	System	General	Outside erase Judgment threshold (Default)		8516		SCN	0	-3~3	SYS	The larger the value, area to be erased increases. The smaller the value, area to be erased decreases.	1	
08	Setting mode	System	General			8517		Remote Scan User authentication automatic login	1	0~1	SYS	0: OFF (A user always enters manually (current method)) 1: ON (Previous authentication information will be used)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8518		Overwriting mode for scanned files	0	0~3	SYS	0: Always OFF 1: Meta Scan function ON / Normal scan function OFF 2: Meta Scan function OFF / Normal scan function ON 3: Always ON	1	
08	Setting mode	System	General			8519		Scan PDF file Paper size	1	0~1	SYS	0: Equivalent to scan image size 1: Fitted into any standard size	1	
08	Setting mode	System	General			8520		Underscore conversion of prohibited character in filename	1	0~1	SYS	Sets the prohibited characters in filename to covert to underscore. 0: \ / > < , " ? * ; : = [] + 1: \ / > < " ? * ; : * 0: Existing model standard 1: Windows standard Since setting the value to "1" allows some prohibited characters, filename might not be processed in external application or server.	1	
08	Setting mode	System	General			8521		Switchover of output format of Service Notification attachment	Refer to contents	0~1	SYS	Switches the output format of date in attachment of Service Notification. 0: YYYY.MM.DD 1: YYYY-MM-DDTHH:MM:SS <Default value> NAD/NAC: 1 Others: 0	1	
08	Setting mode	System	User interface	Display setting		8523		Toner near-empty status Message	Refer to contents	0~1	SYS	0: ON 1: OFF <Default value> ASD/CND: 0 Others: 1	1	Yes
08	Setting mode	System	General			8524		No paper Message display	1	0~1	SYS	0: ON 1: OFF	1	
08	Setting mode	System	General			8525		No paper message display (T-LCF left tray)	0	0~1	SYS	0: ON 1: OFF	1	
08	Setting mode	System	General			8526		Default setting of scan preview	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	General			8527		Default display type of scan preview	0	0~1	SYS	0: Fit to page 1: Fit to width	1	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	0	Number of pages released (Copier)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5560C: 4 e-STUDIO6560C/6570C: 5	4	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	1	Number of pages released (Printer)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5560C: 4 e-STUDIO6560C/6570C: 5	4	
08	Setting mode	System	General	ACS release threshold (Short size)		8529	2	Number of pages released (Box print)	Refer to contents	0~9	SYS	<Default value> e-STUDIO5560C: 4 e-STUDIO6560C/6570C: 5	4	
08	Setting mode	System	General			8532		Control panel Brightness level adjustment	4	1~7	SYS	1-7: Brightness level	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	2nd transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	PRT	8533		1st transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	1	0~2	SYS	When jittering occurs during the printing of thick paper in the black mode with the 1st transfer roller released from the transfer belt, this setting makes the roller contact. 0: Disabled 1: Enabled only for thick paper and special paper 2: Enabled for all media types	1	
08	Setting mode	System	General	2nd transfer roller contact/release setting when printing thick paper (countermeasure against image jittering in the black mode)	PPC	8534		1st transfer roller contact/release setting when printing thick paper(countermeasure against image jittering in the black mode)	0	0~2	SYS	When jittering occurs during the printing of thick paper in the black mode with the 1st transfer roller released from the transfer belt, this setting makes the roller contact. 0: Disabled 1: Enabled only for thick paper and special paper 2: Enabled for all media types	1	
08	Setting mode	System	General			8537		Sorting method for displaying private/hold print jobs	0	0~1	SYS	Changes the sorting order for print jobs on the private/hold print list. 0: Descending order 1: Ascending order	1	
08	Setting mode	System	User interface			8538		Toner near empty notification setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Scanner			8540		Date/time format in the Meta Scan XML file	1	0~1	SYS	0: YYYY/MM/DDhh:mm:ss.mmm 1: YYYY-MM-DDThh:mm:ss.mmmTZD	1	
08	Setting mode	System	User interface			8543		Switching to the low power consumption mode in the Sleep mode	1	0~1	SYS	0: Not switched 1: Switched under certain conditions	1	Yes
08	Setting mode	System	User interface			8544		Tolerance for switching to Super Sleep mode	5	5~600	SYS	Sets the range of tolerance in which the equipment returns to the Super Sleep mode after the system is started during that mode. Unit: Second	1	Yes
08	Setting mode	System	User interface			8546		Input setting of minus value for image shift when copying	0	0~1	SYS	0: Inputting a minus value is disabled. 1: Inputting a minus value is enabled.	1	Yes
08	Setting mode	System	Feeding system/Paper transport			8548		Operation of drawer size change when printing is interrupted by size mismatch	0	0~1	SYS	0: Operation of the drawer size change is disabled. 1: Operation of the drawer size change is enabled.	1	
08	Setting mode	System	Counter			8549		Hardware key control when external counter is installed	0	0~1	SYS	0: No control 1: Mode switch key is disabled.	1	
08	Setting mode	System	User interface	Manual change of the standard size		8558	0	1st drawer	0	0~1	SYS	0:Manual 1:Auto	4	
08	Setting mode	System	User interface	Manual change of the standard size		8558	1	2nd drawer	0	0~1	SYS	0:Manual 1:Auto	4	
08	Setting mode	System	User interface	Manual change of the standard size		8558	2	3rd drawer	0	0~1	SYS	0:Manual 1:Auto	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Manual change of the standard size		8558	3	4th drawer	0	0~1	SYS	0:Manual 1:Auto	4	
08	Setting mode	System	notification	Quota		8567		near empty	0	0~10000	SYS	Sets the number of print pages to notify that the Quota has been nearly reached when it has been selected. 0: Not notified 1 to 10000: Notified when printed pages reach the set number	1	
08	Setting mode	System	eAPI Application			8568		Authentication time-out	30	1~180	SYS	Sets the time-out period when authentication is performed by an external application. (Unit: seconds)	1	
08	Setting mode	System	eAPI Application			8569		Error sound when an event generated by a card does not reach	0	0~1	SYS	0: OFF (not sounded) 1: ON (sounded)	1	
08	Setting mode	System	Network			8585		Edit setting of e-mail subject	1	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Network			8586		Addition of date and time to email subject	1	0~1	SYS	0: Not added 1: Added	1	
08	Setting mode	System	Network			8587		Character string of email subject	0	0~1	SYS	Switches the default character string of subject. 0: Character string at the shipment 1: Character string specified by users	1	
08	Setting mode	System	LDAP user authentication	Attribute value setting		8592		Sender address	mail		SYS	Sets the default attribute value of sender address. Maximum 32 characters (ASCII).	11	
08	Setting mode	System	LDAP user authentication	Attribute value setting		8593		Sender name	uid		SYS	Sets the default attribute value of sender name. Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface			8597		Automatic update of private/hold print job list	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Maintenance			8598		Template icon layout on the control panel	0	0~1	SYS	0: Pattern 1 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) 1: Pattern 2 (1) (2) (9) (10) (3) (4) (11) (12) (5) (6) (13) (14) (7) (8) (15) (16)	1	
08	Setting mode	System	General	Outside erase		8600		Change of default value	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface			8603		Special usage of external options I/F	0	0~2	SYS	0: None 1: Usage 1 2: Usage 2	1	
08	Setting mode	System	Network	Prioritized authentication server		8608		Windows	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Prioritized authentication server		8609		LDAP	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes
08	Setting mode	System	Network	Prioritized authentication server		8610		Card	0	0~100	SYS	Sets the prioritized authentication server to be searched (0 to 100). The servers displayed on the screen accessed by TopAccess -> Administration -> Maintenance -> Directory Service are numbered beginning at the top (0 to 100).	1	Yes
08	Setting mode	System	Maintenance	MFP management		8615		Execution of the MFP use end process			-	Employ this to make the MFP state so that it can be returned from a user site due to the end of use caused by the expiration of the contract period. * The MFP becomes unusable. * The customer information such as network settings is all deleted.	3	
08	Setting mode	System	Maintenance	MFP management		8616		Clearance of the MFP use end state			-	Employ this to make the MFP, to which the use end process has been applied, usable. * The customer information such as network settings has been all deleted.	3	
08	Setting mode	System	User interface			8622		Date and time addition setting to file name of scan to file/e-mail	1	0~1	SYS	0: Not added 1: Added	1	
08	Setting mode	System	General			8623	0	RIP function setting	1	0~1	SYS	Enables/Disables the function related to Excel boarder rendering of PCL6. The function is to prevent missing lines when scaling down and inconsistent line width when scaling up. 0: Disabled (No correction. Compliant with PCL6 language) 1: Enabled	4	
08	Setting mode	System	User interface			8624		Switchover of display method of filename	3	0~3	SYS	Switches the display method of filename. 0: Displays the filename from the beginning 1: Displays the trailing characters 2: Displays the beginning and trailing characters 3: Displays the filename without abbreviation	1	Yes
08	Setting mode	System	User interface			8628		Job operation on the COPY screen when the coin controller is connected	0	0~1	SYS	This setting enables user to move from the COPY screen to JOB STATUS screen, and then operate jobs during printing when the coin controller is connected. This code is valid when the value of 08-9016 is "1". 0: Disabled 1: Enabled	1	
08	Setting mode	System	FAX			8631		Filename creation at fax reception and forwarding	0	0~1	SYS	0: Use address name (family-name/first-name) as filename if multiple names are found by address book search of TSI (sender information). 1: Use address name (family-name/first-name) as filename only when single name is found by address book search of TSI (sender information).	1	
08	Setting mode	System	Weekly timer			8632		Enable/Disable setting	0	0~1	-	0: Disabled 1: Enabled	1	
08	Setting mode	System	Weekly timer	Sunday		8633	0	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Weekly timer	Sunday		8633	1	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Monday		8633	2	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Monday		8633	3	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Tuesday		8633	4	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Tuesday		8633	5	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Wednesday		8633	6	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Wednesday		8633	7	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Thursday		8633	8	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Thursday		8633	9	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Friday		8633	10	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Friday		8633	11	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Weekly timer	Saturday		8633	12	ON time	00:00:00		-	Sets the time to let the equipment recover from the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	Weekly timer	Saturday		8633	13	OFF time	24:00:00		-	Sets the time to let the equipment enter into the Sleep or Super Sleep mode. HH:MM:SS * This code is available only when "1" is set for 08-8632.	4	
08	Setting mode	System	NTP authentication			8634	0	Enable/Disable setting	0	0~1	SSDK	0: Disabled 1: Enabled	4	
08	Setting mode	System	NTP authentication			8634	1	Key ID	1	1~65535	SSDK		4	
08	Setting mode	System	NTP authentication			8635		Password			SSDK		12	
08	Setting mode	System	User interface			8640		Job build operation when the coin controller is connected	0	0~1	SYS	This setting enables user to use the job build function when the coin controller is connected. This code is valid when the value of 08-9016 is "1". 0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8641		Notification setting for job cancel	1	0~1	SYS	Sets the notification setting for job cancel. This setting is effective for the following codes: 1CC0, 2BB0, 2CC0, 2DC0, 2EC0 0: Disabled (Not notified) 1: Enabled (Notified)	1	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8642		LDAP attribute name settings 2	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8643		LDAP attribute name settings 3	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8644		LDAP attribute name settings 4	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8645		LDAP attribute name settings 5	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8646		LDAP attribute name settings 6	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8647		LDAP attribute name settings 7	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8648		LDAP attribute name settings 8	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8649		LDAP attribute name settings 9	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8650		LDAP attribute name settings 10	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8651		LDAP attribute name settings 11	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8652		LDAP attribute name settings 12	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8653		LDAP attribute name settings 13	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8654		LDAP attribute name settings 14	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8655		LDAP attribute name settings 15	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	8656		LDAP attribute name settings 16	eBMUserCard		SYS	Maximum 32 characters (ASCII).	11	
08	Setting mode	System	User interface	Sound		8657		Placing original	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8658		Pressing [INTERRUPT] button	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8659		Switchover of function	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8660		Completion of job (except for FAX)	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8661		End of warming-up/prewarming/sleep	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8662		Job interrupt (out of paper)	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		8663		Fax transmission error	0	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound	Hours for mute	8664	0	Enable/Disable setting of mute	0	0~1	SYS	0: Mute is disabled 1: Mute is enabled	4	Yes
08	Setting mode	System	User interface	Sound	Hours for mute	8664	1	Starting time	0	0~2359	SYS	(Hour/Hour/Minute/Minute)	4	Yes
08	Setting mode	System	User interface	Sound	Hours for mute	8664	2	Ending time	0	0~2359	SYS	(Hour/Hour/Minute/Minute)	4	Yes
08	Setting mode	System	General			8667		Saving image log	0	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8668		Number of pages saved as image log	1	0~1	SSDK	0: First page 1: All pages	1	
08	Setting mode	System	General			8670		e-Filing print setting when key counter/totalizer is installed	0	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Network	Number of retry for file transfer		8671	0	FTP	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Number of retry for file transfer		8671	1	SMB	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Number of retry for file transfer		8671	2	NetWare	3	0~10	SYS	The transmission may succeed when the number of retry increases. However, it takes longer time to complete the job.	4	
08	Setting mode	System	Network	Retry interval for file transfer		8672	0	FTP	180	0~999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	
08	Setting mode	System	Network	Retry interval for file transfer		8672	1	SMB	180	0~999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Retry interval for file transfer		8672	2	NetWare	180	0-999	SYS	The transmission may succeed when the retry interval becomes longer. However, it takes longer time to complete the job. (Unit: sec.)	4	
08	Setting mode	System	General			8673		Disclosure of image log function	0	0-1	SSDK	0: Not opened to public 1: Opened to public	1	
08	Setting mode	System	General			8674		Prohibition of transition to sleep mode during network initialization	0	0-1	SYS	0: Allowed 1: Prohibited	1	
08	Setting mode	System	FAX			8700		Secret reception setting	0	0-2	SYS	When the value of 08-8924 is "0", the value of this code can be set to "1" or "2". 0: Always Off 1: Always On 2: Scheduled reception	1	
08	Setting mode	System	User interface			8704		Email/FAX address restriction	0	0-1	SYS	0: No restriction 1: Search for external LDAP only Use this code to restrict address of email/fax to specified LDAP server. If the value of this code is set to "1", the addresses of email/fax are restricted to the LDAP server specified with TopAccess, and the direct input of addresses and selecting addresses from the local address book are not available. If the value of this code is set to "1", this setting is given priority over the setting value of 08-9299, 08-3848, 08-3849.	1	
08	Setting mode	System	User interface			8709		Display setting of Service Notification	Refer to contents	0-1	SYS	Sets whether the [SERVICE NOTIFICATION] button is displayed on the screen accessed by [USER FUNCTIONS] -> [ADMIN] -> [SERVICE]. 0: Disabled 1: Enabled <Default value> JPC/NAD/NAC/MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System	Scanning			8710		Setting of character code for Scan to FTP	0	0-2	SYS	0: Automatic selection 1: UTF8 2: Shift-JIS	1	
08	Setting mode	System	General	Hardcopy security printing		8711		Enable/Disable setting of watermark information tracking application	1	0-1	SYS	Set this code to "1: Disabled" to disable the watermark information tracking application at hardcopy security printing. When this code is set to "1: Disabled", a license error occurs even if the license for hardcopy security printing is enabled. If this error occurs, hardcopy security printing is available, but copy prohibition function and tracking application are not available. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8712		Display setting of the drawer setting button	1	0-1	SYS	Sets whether the drawer button in USER FUNCTIONS is displayed or not. 0: Not displayed 1: Displayed	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			8713		Setting of web upload/web printing	1	0~1	SYS	Sets whether the web upload and web printing function is enabled or disabled. - Web upload is a function which uploads the image data created on the equipment to the web page displayed on EWB. - Web printing is a function which prints the web page displayed on EWB or the PDF file included in the web page displayed on EWB. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	Service notification information		8715		Password for zip file with password	#1048109		SYS	Password for zip file with password of service notification information. Minimum number of digits: 0, maximum number of digits: 20 Available character: alphanumeric characters and symbols	11	
08	Setting mode	System	User interface			8718		Selection for caching the screen of control panel at start-up	0	0~17	SYS	Use this code to shorten the time to switch the function on the control panel for the first time immediately after start-up. However, the start-up time becomes longer (about 1 to 3 seconds per screen). When selecting multiple screens, enter the total value. 0: Disabled 1: Copy 16: Fax	1	
08	Setting mode	System	Network			8719		MTU setting of network communication	1500	576~1500	NIC	Normally there's no need to change the MTU value. Set the proper MTU value when MFP is connected to the Internet using broadband router and so on.	12	
08	Setting mode	System	User interface			8720		Department code display with asterisk	0	0~1	SYS	0: Displays department code with asterisk when inputting it. 1: Displays department code as it is when inputting it.	1	Yes
08	Setting mode	System	FAX			8721		Automatic FAX sending at AutoClear when scanning original put on the glass	0	0~1	SYS	Sets whether the job is sent or canceled when AutoClear is executed on the interruption screen to confirm the next original displayed after scanning the original put on the glass. Use this code to cancel job when the equipment is left unattended while the interruption screen is displayed. 0: Sends job 1: Cancels job	1	Yes
08	Setting mode	System	User interface			8722		Display method of "Cannot find the Home Directory" on the control panel	0	0~1	SYS	Sets the display method of error if the Home Directory for user cannot be obtained from the server when setting the Home Directory for scanning. Use this code to disable the pop-up display when the Home Directory cannot be obtained depending on the user. 0: Displays the pop-up dialog when user logs in 1: Displays the message in the guidance area when the Scan to File screen is displayed	1	Yes
08	Setting mode	System	User interface			8723		Pop-up On/Off at logout	1	0~1	SYS	Sets whether the pop-up dialog of confirmation for logging out is displayed when user or department logs out by pressing [FUNCTION CLEAR] button twice or pressing [ACCESS] button. 0: Logs out without displaying pop-up dialog 1: Displays pop-up dialog when logging out	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			8724		Display setting of Edit From Address button for Scan to email	1	0~1	SYS	0: Not displayed (From Address cannot be edited) 1: Displayed (From Address can be edited)	1	Yes
08	Setting mode	System	User interface			8725		Display setting of [USER FUNCTIONS]-> CHANGE LANGUAGE button	1	0~1	SYS	Sets whether the [CHANGE LANGUAGE] button accessed from [USER FUNCTIONS] button is displayed or not. Use this code to prohibit users from changing the language displayed on the control panel. Administrators can change the language. 0: Not displayed 1: Displayed	1	Yes
08	Setting mode	System	General			8726		Job deletion on the Job Status screen	0	0~1	SYS	Use this code to enable the job deletion on the [Job Status] screen. When "3: High level" is set for code 08-8911, be sure to disable this setting. 0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Card reading device		8727		Display of dedicated screen for card authentication	0	0~1	SYS	Switches whether the message to hold a card over the card reader is displayed on the login screen when the card authentication is enabled. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Forced printing of user name			8728	0	Display/Non-display setting in TopAccess	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	1	Enable/Disable setting of forced printing	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	2	Prioritizing printer driver setting	1	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	3	Application to network fax job	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	4	Enable/Disable setting of prefix/suffix	0	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	6	White background setting	1	0~1	SYS	Normally this setting is made in TopAccess. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Forced printing of user name			8728	7	Print position	0	0~3	SYS	Normally this setting is made in TopAccess. 0: Bottom left 1: Top left 2: Bottom right 3: Top right	4	
08	Setting mode	System	Forced printing of user name			8728	8	Fine adjustment of print position (X)	3	0~100	SYS	Adjusts the print position in X direction. The print position shifts toward inside of original when the value increases. Unit: pt. 1pt = 0.35mm.	4	
08	Setting mode	System	Forced printing of user name			8728	9	Fine adjustment of print position (Y)	3	0~100	SYS	Adjusts the print position in Y direction. The print position shifts toward inside of original when the value increases. Unit: pt. 1pt = 0.35mm.	4	
08	Setting mode	System	Forced printing of user name			8728	10	Font setting	0	0~9	SYS	Normally this setting is made in TopAccess. 0: Helvetica 1: AlbertusMT 2: Chicago 3: Eurostile 4: Geneva 5: GillSans 6: LetterGothic 7: Monaco 8: Taffy 9: TimesNewRomanPSMT	4	
08	Setting mode	System	Forced printing of user name			8728	11	Font size setting	8	6~16	SYS	Normally this setting is made in TopAccess. 6-16pt.	4	
08	Setting mode	System	Forced printing of user name			8728	12	Font color setting	0	0~7	SYS	Normally this setting is made in TopAccess. 0: Black 1: Gray 2: Red 3: Green 4: Blue 5: Light red 6: Light green 7: Light blue	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Forced printing of user name			8728	13	Density setting of light font color	40	10~90	SYS	Sets the density when the font color is set to gray, light red, light green, or light blue.	4	
08	Setting mode	System	Forced printing of user name			8729		Prefix setting	Printed by		SYS	Normally this setting is made in TopAccess. Maximum 64 characters.	11	
08	Setting mode	System	Forced printing of user name			8730		Suffix setting			SYS	Normally this setting is made in TopAccess. Maximum 64 characters.	11	
08	Setting mode	System	User interface			8732		Default Menu Screen Setting	0	0~1	SYS	Switches the default screen of MENU 0: User 1: Public	1	
08	Setting mode	System	HDD/SSD information			8733	0	HDD/SSD model name			-		14	
08	Setting mode	System	HDD/SSD information			8733	1	HDD/SSD serial No.			-		14	
08	Setting mode	System	HDD/SSD information			8733	2	Number of the motor start-up times	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	3	Number of the alternate sectors	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	4	Power-ON hours	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	5	Number of the power ON/OFF times	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	6	Shock sensor count	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	7	Number of the emergency unload times	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	8	Number of the load/unload times	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	9	Minimum temperature	-1	-1~255	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	10	Maximum temperature	-1	-1~255	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	11	Number of the alternate event times	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	12	Number of the alternate pending sectors	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	13	CRC error count	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information			8733	14	Load time	-1	- 1~2147483 647	-	When non-supported, the value is "-1".	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	HDD/SSD information	SSD		8733	15	Erase count 1	-1	- 1~2147483647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	HDD/SSD information	SSD		8733	16	Erase count 2	-1	- 1~2147483647	-	When non-supported, the value is "-1".	14	
08	Setting mode	System	Scanning			8735		Sending setting of Scan To URL	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Scanning			8736		Maximum size for ScanToURL attachment	5	0~100	SYS	Sets the maximum size of attachment that can be sent with ScanToURL. 0: Always sends URL 1-100: Maximum size (MB)	1	
08	Setting mode	System	General			8737		Restart behavior when the out of paper is solved	0	0~1	SYS	0: Automatically restarted 1: Restarted by pressing [START] button	1	
08	Setting mode	System	User interface	Display setting		8738		E-mail address direct input button	1	0~1	SYS	Switches the display setting of the [INPUT @] button. 0: Not displayed 1: Displayed	1	Yes
08	Setting mode	System	User interface	Display setting		8744		Switchover of pop-up display during scanning	1	0~1	SYS	Switches the pop-up display during scanning 0: Not displayed 1: Displayed	1	
08	Setting mode	System	User interface			8745		Enable/Disable setting of EWB history	0	0~1	SYS	Sets whether part of the cookie, password, and form data of user who logs in to EWB is saved or not. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network			8746		Port number setting of destination 10 for sending trap	162	1~65535	NIC	Sets the port number of destination 10 for sending SNMP trap. If the port is used when using the real time log notification function, change the port number.	12	
08	Setting mode	System	User interface			8748		Input of department code at user authentication	0	0~1	SYS	0: Not required 1: Required	1	
08	Setting mode	System	Network			8749		User authentication by logon information to domain (external authentication)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8754		Error sheet output at reception of non-supported PDL	1	0~1	SYS	0: Error sheet is not output 1: Error sheet is output	1	
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8755		Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8756	0	Remaining amount at first notification	25	0~100	SYS	0 to 100%	4	Yes
08	Setting mode	System	Maintenance	Notification of remaining amount of toner		8756	1	Notification interval	10	1~25	SYS	1 to 25%	4	Yes
08	Setting mode	System	User interface	Card reading device		8758		Overwriting of login at authentication	0	0~1	SYS	Switches the enable/disable setting for the function to overwrite the login information at the card authentication. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			8761		Retention of print (spooling) data	0	0~1	SYS	Use this code to retain and obtain the print data (spooling data) if problem occurs. After obtaining the data, be sure to disable the setting. 0: Disabled (print data is deleted) 1: Enabled (print data is retained)	1	Yes
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	0	K	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	1	C	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	2	M	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Maintenance	Display of remaining amount of toner (for RDMS/MMDT)		8762	3	Y	0	0~100	SYS	0 to 100%	14	
08	Setting mode	System	Network			8771		Account setting for access to Home Directory	0	0~1	SYS	0: Setting of Remote1 is used 1: Setting of Remote1 and Remote2 is used	1	
08	Setting mode	System	Network			8774		Password authentication for print job	0	0~1	SYS	Sets whether the user authentication for network printing/FAX/InternetFAX using the user information and password input on the printer driver is enabled or disabled. When this setting is enabled, the setting of 08-8749 is automatically disabled. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	PIN code		8775		PIN code authentication setting at user authentication	0	0~2	SYS	0: Disabled 1: PIN code 2: Card+PIN code	1	
08	Setting mode	System	Network	PIN code		8776		Logging setting of PIN code	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Network	PIN code		8777		Attribute value setting of LDAP PIN authentication server 1	eBMUserPIN		SYS	Attribute name of PIN code(32 characters (ASCII))	11	
08	Setting mode	System	Network	PIN code		8778		Attribute value setting of LDAP PIN authentication server 2	eBMUserPIN		SYS	Attribute name of PIN code(32 characters (ASCII))	11	
08	Setting mode	System	Network	PIN code		8779		Attribute value setting of LDAP PIN authentication server 3	eBMUserPIN		SYS	Attribute name of PIN code(32 characters (ASCII))	11	
08	Setting mode	System	Network	PIN code		8780		Prioritized authentication server	1	1~3	SYS	Sets the prioritized authentication server to be searched.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Display setting		8781		Default setting of print screen when USB is inserted	0	0~1	SYS	0: Disabled (The setting of 08-9236 is used) 1: USB print screen	1	
08	Setting mode	System	General	Interval setting	Transition to Super Sleep	8782		For fax	15	15~600	SYS	Sets the interval to shift to Super Sleep again after recovery from Super Sleep. (Unit: seconds)	1	Yes
08	Setting mode	System	General			8783		Switchover of document sorting order of e-Filing Box	1	0~1	SYS	0: Sorted by saved date 1: Sorted by document name	1	
08	Setting mode	System	User interface			8785		Display/Non-display of pop-up for card authentication	Refer to contents	0~1	SYS	Sets whether the pop-up is displayed or not after the success of card authentication. This code is effective when the value of 08-8727 is "1" (Enabled). 0: Does not display pop-up 1: Displays pop-up <Default value> JPC: 0 Others: 1	1	
08	Setting mode	System	User interface	Default keyboard setting		8786	0	Japanese	3	0~4	SYS	Sets the default keyboard for inputting user name. 0: Romaji 1: Hiragana 2: Katakana (one-byte) 3: Alphabetical character (one-byte) 4: Symbol (one-byte)	4	
08	Setting mode	System	User interface	Default keyboard setting		8786	1	Chinese	0	0~2	SYS	Sets the default keyboard for inputting user name. 0: Alphabetical character (one-byte) 1: Pinyin 2: Symbol (one-byte)	4	
08	Setting mode	System	Network			8788		Detection interval when authentication server is down	60	1~1440	SSDK	Sets the interval to access the authentication server again after the detection of server down. 1-1440 (min.)	1	
08	Setting mode	System	User interface			8789		Display/Non-display of pop-up for automatic output of jobs	1	0~1	SYS	Sets whether the pop-up is displayed or not when jobs are automatically released after user authentication. This code is effective when the value of 08-8915 is "1" (Enabled). 0: Pop-up is not displayed 1: Pop-up is displayed	1	
08	Setting mode	System	Network			8790		Switchover of server when authentication server is down	0	0~1	SSDK	Enables/disables the function that switches the access to another authentication server when it is detected that the authentication server is down. 0: Disabled 1: Enabled	1	
08	Setting mode	System	Network			8792		Format of host name used for Scan To URL	0	0~2	SYS	0: IP address 1: Host name (FQDN) 2: NetBIOS name	1	
08	Setting mode	System	User interface			8795		Default setting of duplex mode for printer driver	Refer to contents	0~1	SYS	0: Single-sided 1: Duplex <Default value> JPC/CND: 0 Others: 1	1	
08	Setting mode	System	Maintenance	General		8797		Reboot setting for resource check	0	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	Network			8800		Enabling / Disabling of 802.1X	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8802		Enabling / Disabling of IPsec	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8803		Enabling / Disabling of SNMPv3	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			8804		Enabling / Disabling of IP filtering	2	1~2	SYS	1: Enabled 2: Disabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			8805		Enabling / Disabling of MAC address filtering	2	1~2	SYS	1: Enabled 2: Disabled	1	
08	Setting mode	System	Network			8820		IPsec NAT-Traversal setting	1	1~3	NIC	1: Default (IKEv1: Disabled, IKEv2: Enabled) 2: Enable IKEv1 & IKEv2 3: Disable IKEv1 & IKEv2	12	
08	Setting mode	System	Network			8821		IPsec CRL setting	2	1~2	NIC	1: Enable CRL 2: Disable CRL	12	
08	Setting mode	System	Network			8824		FTP client mode	0	0~2	NIC	Sets the FTP transfer mode when FTP is selected for "FILE" to save the scanned data. 0: Automatic 1: Passive mode 2: Active mode	12	
08	Setting mode	System	Network			8825		Sending of host announcement in Super Sleep mode	1	1~2	NIC	Since MFP is deleted from the master browser of Windows network if MFP is in the Super Sleep mode for 36 minutes or more, enable this setting to always display MFP in the browse list. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network	Dynamic update of DNS server		8826		Enable/Disable setting	1	1~2	NIC	Sets whether the function that gets the secondary DNS server to work as the primary DNS server temporarily is enabled or not when the primary DNS server is not available. 1: Enabled 2: Disabled	12	Yes
08	Setting mode	System	Network	Dynamic update of DNS server		8827		Operating interval	60	1~1440	NIC	Sets the operating interval of dynamic update. 1-1440 (min.)	12	Yes
08	Setting mode	System	Network			8830	0	Beep setting to identify printer for AirPrint IPP	1	0~1	SYS	Sets whether the beep for identifying printer is emitted or not when IPP is used for AirPrint. 0: No beep 1: Emits beep	4	
08	Setting mode	System	Network			8830	1	Blinking setting to identify printer for AirPrint IPP	1	0~1	SYS	Sets whether the blinking for identifying printer is enabled or not when IPP is used for AirPrint. 0: Disabled (No blinking) 1: Enabled	4	
08	Setting mode	System	Network			8830	2	Switchover of PDF print size with AirPrint	1	1~2	SYS	1: A4/LT size 2: Original size	4	
08	Setting mode	System	Network			8831		Time-out period for EWB network connection	60	1~300	SYS	1 to 300 (sec.)	1	
08	Setting mode	System	Network			8833		SMB server protocol	1	1~2	NIC	1: SMB1.0 2: SMB2.0	12	
08	Setting mode	System	Network			8835		Link down detection of network cable	1	0~1	NIC	0: Disabled 1: Enabled	12	
08	Setting mode	System	Network			8836		Time-out period for SMB client connection	30	1~180	NIC	Sets the time-out period for the SMB client connection to a server. 1 to 180 (seconds) * If a small value is set, connection to an SMB server may fail. * If the time-out is carried out while a connection to No. 445 port of an SMB server is set, the connection request is switched to No. 139 port.	12	
08	Setting mode	System	Network			8837		IPP PrinterOrganization	OrganizationName		NIC	Maximum 127 characters.	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			8838		IPP PrinterOrganizationUnit	OrganizationalUnitName		NIC	Maximum 127 characters.	12	
08	Setting mode	System	Network			8839		Client Application Interface	1	0~1	SYS	Sets whether to enable or disable the client application interface. 0: Disabled 1: Enabled	1	
08	Setting mode	System	General	Registration number for workflow		8900	0	Total	2000	1000~2000	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	1	Number of interrupt copy	1	1	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	2	Number of transmission and calling of Fax/InternetFax	100	10~100	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	General	Registration number for workflow		8900	3	Number of printing	1000	150~1000	SYS	Changes the maximum number for workflow that is registrable.	4	
08	Setting mode	System	FAX			8901		Default setting of fax preview	0	0~1	SYS	Sets whether the preview function is enabled or disabled by default when using the fax function. 0: OFF 1: ON	1	
08	Setting mode	System	FAX			8902		Default display method of fax preview	0	0~1	SYS	Sets the default display method on the preview screen when using the fax function. 0: Fit to page 1: Fit to width	1	
08	Setting mode	System				8904		Job jump instruction setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System				8905		Forcible printing against unacceptable paper error	0	0~1	SYS	0: OFF (printing not continued) 1: ON (printing continued by automatically selecting the available exit tray)	1	
08	Setting mode	System	Continuous print setting when punching dust box is full			8906		Copy	0	0~1	SYS	0: OFF (copying not continued) 1: ON (copying continued by canceling punching setting)	1	
08	Setting mode	System	Continuous print setting when punching dust box is full			8907		Printer/e-Filing	1	0~1	SYS	0: OFF (copying not continued) 1: ON (copying continued by canceling punching setting)	1	
08	Setting mode	System	General			8910		Time to auto-clearing when in the self-diagnostic mode	0	0~5	SYS	0: None 1: 1 min. 2: 5 min. 3: 10 min. 4: 30 min. 5: 99 min.	1	
08	Setting mode	System	General			8911		Security mode (level) setting	1	1~4	SYS	Level setting for security function 1: Low level 2: - 3: High level 4: -	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	General		8912		Serial number display of finisher			-	FIN S/N: XXXXXXXXX	2	Yes
08	Setting mode	System	Maintenance	General		8913		Warning display for password expiration	15	0~30	SYS	0: None 1-30: Remaining days until the password expiration for warning start.	1	Yes
08	Setting mode	System	MFP function setting			8914	0	Copy	1	0~1	SYS	Sets whether the Copier function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	1	e-Filing	1	0~1	SYS	Sets whether the filing function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	2	Fax	1	0~1	SYS	Sets whether the Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	3	InternetFAX	1	0~1	SYS	Sets whether the InternetFAX function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	4	Email	1	0~1	SYS	Sets whether the email function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	5	Save as Local HDD	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	6	Save as Local HDD from Print	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment using print function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	7	Save as Local HDD from Fax	1	0~1	SYS	Sets whether the function that saves data to HDD in the equipment using Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	8	Save to USB Media	1	0~1	SYS	Sets whether the function that saves scanned data of originals to USB media is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	9	Save as FTP	1	0~1	SYS	Sets whether the function that saves scanned data of originals to FTP server is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	10	Save as FTPS	1	0~1	SYS	Sets whether the function that saves scanned data of originals to FTP server using SSL is enabled or disabled. 0: Disabled 1: Enabled	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	MFP function setting			8914	11	Save as SMB	1	0~1	SYS	Sets whether the function that saves scanned data of originals to the SMB server is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	12	Save as Netware	1	0~1	SYS	Sets whether the function that saves scanned data of originals to the Netware server is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	13	Web Service Scanning (WS Scan)	1	0~1	SYS	Sets whether the WS scanning function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	14	Twain Scanning (Remote Scan)	1	0~1	SYS	Sets whether the remote scanning function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	15	Send to External Controller	1	0~1	SYS	Sets whether the function that saves data to the external server is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	16	Network Fax	1	0~1	SYS	Sets whether the Network Fax function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	MFP function setting			8914	17	Network InternetFAX	1	0~1	SYS	Sets whether the Network InternetFAX function is enabled or disabled. 0: Disabled 1: Enabled	4	
08	Setting mode	System	Network			8915		Automatic output of jobs at login	0	0~1	SYS	Sets whether jobs registered in the hold queue of user are automatically output or not when the user logs in. 0: Disabled 1: Enabled	1	
08	Setting mode	System	General			8919		Service password			SYS	Sets the password to log into the self-diagnostic mode and Service UI.	11	Yes
08	Setting mode	System	Option	FAX		8920		Output tray for FAX/InternetFAX/e-mail printing	0	0~2	SYS	Selects the bin/tray to which the paper is output. 0: Inner receiving tray 1: Finisher 1st bin 2: Finisher 2nd bin * When the Job Separator is installed, the setting is as follows: 0: Job Separator tray 1: Exit tray 2: Job Separator tray	1	Yes
08	Setting mode	System	Department management			8921		Clearing of the user/department counter	1	0~1	SYS	0: Not allowed 1: Allowed	1	Yes
08	Setting mode	System	User interface			8922		Email header print setting	0	0~1	SYS	Sets whether the header of an Email or an Internet Fax is printed or not as they are received. 0: Not printed 1: Printed	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			8923		Email body print setting	1	0~1	SYS	Sets whether the body of an Email or an Internet Fax is printed or not as they are received. 0: Not printed 1: Printed	1	
08	Setting mode	System	User interface			8924		Registration of the received Fax / Internet Fax / Email jobs to hold queue	0	0~1	SYS	Registers the received Fax / Internet Fax / Email jobs to the hold queue instead of printing immediately. Data in the hold queue are not printed unless the user allows printing by means of the control panel. 0: Not registered (normal printing) 1: Registered	1	
08	Setting mode	System	General			8925		Data tampering checking at startup	0	0~1	SYS	Sets whether data tampering is checked or not at startup. 0: Not checked 1: Checked	1	
08	Setting mode	System	Department management			8926		Clearing of all department counters			SYS	In cases when the administrator has prohibited the clearing of department counter data using code 08-8921, a service technician can clear the data using this code.	3	Yes
08	Setting mode	System	Department management			8927		Clearing of all user counter			SYS	In cases when the administrator has prohibited the clearing of user counter data using code 08-8921, a service technician can clear the data using this code.	3	Yes
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	0	Plain / Recycled paper	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	1	Thick paper 1	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	2	Thick paper 2	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Finisher	Upper limit number of sheets of center fold		8928	3	Thick paper 3	0	-25~25	SYS	-25 to 25	4	
08	Setting mode	System	Password			8929		Administrator password reset			SYS	The default password is set. When "3: High level" is set for code 08-8911, the default password is set as a temporary password.	3	Yes
08	Setting mode	System	User interface	Off Device Customization Architecture		8931		Output Management Service setting	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			8932		Availability of Netware	2	1~2	NIC	1: Enabled 2: Disabled	12	
08	Setting mode	System	User interface			8933		SSL setting (SSL SMTP Client Off/on)	2	1~3	NIC	1: Enabled (accepts all server certificates) 2: Disabled 3: Enabled (uses the imported CA certificate)	12	
08	Setting mode	System	User interface			8934		SSL setting (SMTP Client SSL/TLS)	1	1~2	NIC	1: STARTTLS 2: Over SSL	12	
08	Setting mode	System	User interface			8935		Remote Scanning	1	0~1	NIC	0: Disabled 1: Enabled	12	
08	Setting mode	System	User interface			8936		Remote Scanning with SSL	0	0~1	NIC	0: Disabled 1: Enabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			8937		Remote Scanning port number	20080	0~65535	NIC		12	
08	Setting mode	System	User interface			8938		Remote Scanning SSL port number	20443	0~65535	NIC		12	
08	Setting mode	System				8942		Debug level setting	2	0, 2	-	Sets the output volume of debug log. When the value is set to "0", the performance may decrease. 0: Debug log level - high 2: Debug log level - normal	1	
08	Setting mode	System	Maintenance	Remote-controlled service		8946	0	Acquisition starting time for RDMS	0	0~99999999	SYS	Month/day/hour/minute of starting time	14	
08	Setting mode	System	Maintenance	Remote-controlled service		8946	1	Acquisition ending time for RDMS	0	0~99999999	SYS	Month/day/hour/minute of ending time	14	
08	Setting mode	System	User interface	Card reading device		8947		Automatic user registration for card authentication	0	0~1	SSDK	0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	General		8948		Language package information			-	Displays the information of the installed language package.	2	Yes
08	Setting mode	System	Version			8952		External version of HD data			-	External version of file system for system software	2	
08	Setting mode	System	Feeding system/Paper transport			8967		Rotation printing by guides width of bypass feed tray	1	0~1	SYS	If the printing size and the guides width of the bypass feed tray are different, it is judged that paper is set in the wrong direction. The occurrence frequency of interruption by the error of the guides width may be decreased. However, this code does not work depending on the conditions, such as when stapling is selected. Set this code when requested by user or the guides width sensor is broken. Related code: 08-4621. 0: Invalid 1: Valid	1	
08	Setting mode	System	User interface	General		8968		Language package information (Panel Help)			-	Displays the language package information of the installed Panel Help.	2	Yes
08	Setting mode	System	User interface	General		8969		Language package information (WebHelp)			-	Displays the language package information of the installed WebHelp.	2	Yes
08	Setting mode	System	User interface	General		8970		Language package information (Service UI)			-	Displays the language package information of the installed Service UI.	2	Yes
08	Setting mode	System	User interface	General		8971		Installation of language package			-	Installs the language package.	3	Yes
08	Setting mode	System	General	Self-certificate		8973		Length of public key	1	0~1	SYS	0: 1024 bit 1: 2048 bit	1	
08	Setting mode	System	General	Self-certificate		8974		Signature algorithm	0	0~4	SYS	0: SHA1 1: SHA224 2: SHA256 3: SHA384 4: SHA512	1	
08	Setting mode	System	Network			8975		Data clearing of Point and Print			SYS	Point and Print in the equipment is deleted when this code is performed. Perform this code when a trouble occurs such as when uploading Point and Print is not possible. After performing this code, upload Point and Print from [Maintenance] menu in the [Administration] menu of TopAccess.	3	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	0	Copy	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	1	Scan	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	General	Detection of originals prohibited from duplication		8977	2	FAX	1	0~1	SYS	Sets whether the originals that are prohibited from duplication are detected or not. 0: Detection disabled 1: Detection enabled	4	
08	Setting mode	System	Scanning			8980		Execution of Remote Scan while control panel is operated	0	0~1	NIC	Sets whether the remote scanning is enabled or disabled if the user is logged in using the control panel when user authentication or department management is enabled. 0: Disabled 1: Enabled	12	
08	Setting mode	System	General	Scheduled automatic reboot		8981		Day of the week	0	0~255	SYS	Sets the condition and day of the week for scheduled automatic reboot. The condition and day of the week are assigned to each bit as follows. Input the sum of each bit as setting value. <Input value> bit1: Monday 0: Disabled 1: Enabled bit2: Tuesday 0: Disabled 2: Enabled bit3: Wednesday 0: Disabled 4: Enabled bit4: Thursday 0: Disabled 8: Enabled bit5: Friday 0: Disabled 16: Enabled bit6: Saturday 0: Disabled 32: Enabled bit7: Sunday 0: Disabled 64: Enabled bit8: Set the condition of reboot 0: Reboots only when in the sleep or super sleep mode 128: Reboots regardless of the sleep mode <Example> - Reboots every day regardless of the sleep mode: 255 (1+2+4+8+16+32+64+128=255) - Reboots on Sundays: 192 (0+0+0+0+0+64+128=192) - Reboots every day only when in the sleep or super sleep mode: 127 (1+2+4+8+16+32+64+0=127) - Reboots on Sundays only when in the sleep or super sleep mode: 64 (0+0+0+0+0+64+0=64)	1	
08	Setting mode	System	General	Scheduled automatic reboot		8982		Time (Hour)	0	0~23	SYS	Sets time (hour) for scheduled automatic reboot.	1	
08	Setting mode	System	General	Scheduled automatic reboot		8983		Time (Minute)	0	0~59	SYS	Sets time (minute) for scheduled automatic reboot.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	NFC reader	Second type	8986		Device setting	0	0~4294967 295	SYS	Sets the card reader device. This code is available only when two types of cards are used for the NFC card reader. 0012ZZZZ or 0013ZZZZ -ZZZZ: Sub code 0000: No authentication using a card 0001: IDm (FeliCa/NFC-FeliCa) and (or) UID (Mifare/NFC-Mifare) are used 0002: Data (FeliCa/NFC-FeliCa/Mifare/NFC-Mifare) 0003: SSFC mode	5	Yes
08	Setting mode	System	User interface	NFC reader	Second type	8987		Format information 1	0	0~4294967 295	SYS	Sets the information to access the data stored in a card. This code is available only when two types of cards are used for the NFC card reader. 000ASSSS (hexadecimal, the first 3 digits are fixed) -A: 0: A key 1: B key -SSSS:	5	Yes
08	Setting mode	System	User interface	NFC reader	Second type	8988		Format information 2	0	0~4294967 295	SYS	Sets the number of blocks of the data stored in a card. This code is available only when two types of cards are used for the NFC card reader. 00BSEbse (hexadecimal, the first 2 digits are fixed) -B: Block number of first block -S: Starting offset of first block -E: Ending offset of first block -b: Block number of second block -s: Starting offset of second block -e: Ending offset of second block	5	Yes
08	Setting mode	System	User interface	NFC reader	Second type	8989		Format information 3	0	0~0xFFFFF FFFFFFFF FF	SYS	Sets the actual encryption key (12 digits) <hexadecimal> stored in Key Information of Sector Number registered in 08-8987. This code is available only when two types of cards are used for the NFC card reader. 0000KKKKKKKKKKKK (hexadecimal, the first 4 digits are fixed) -KKKKKKKKKKKK: key (12 digits)	5	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification setting	8991		Notification setting	0	0~1	SYS	0: Disabled 1: Enabled	2	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day 1	8992		Notification day 1	0	0~31	SYS	1st to 31th. Input "0" to disable this setting.	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day 2	8993		Notification day 2	0	0~31	SYS	1st to 31th. Input "0" to disable this setting.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Notification of equipment information	Notification day of the week	8994		Notification day of the week	0	0~127	SYS	Input the value which corresponds to the day of the week. Input "0" to disable this setting. Sunday: 64 Monday: 32 Tuesday: 16 Wednesday: 8 Thursday: 4 Friday: 2 Saturday: 1 e.g.) Monday: 32 Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday: 127 (64+32+16+8+4+2+1=127)	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Notification time	8995		Notification time	300	0~2359	SYS	(Hour/Hour/Minute/Minute)	1	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 1 for notification	8996		Email address 1 for notification			SYS	Maximum 192 characters.	11	
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 2 for notification	8997		Email address 2 for notification			SYS	Maximum 192 characters.	11	
08	Setting mode	System	Maintenance	Notification of equipment information	Email address 3 for notification	8998		Email address 3 for notification			SYS	Maximum 192 characters.	11	
08	Setting mode	System	Maintenance	Notification of equipment information	Adjustment mode (05) data list	8999	1	Adjustment mode (05) data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Setting mode (08) data list	8999	2	Setting mode (08) data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	PM support mode data list	8999	3	PM support mode data list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Pixel counter list	8999	4	Toner cartridge reference	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Pixel counter list	8999	5	Service engineer reference	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Error history list	8999	6	Maximum 1000 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Error history list	8999	7	Latest 80 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Firmware upgrade log	8999	8	Maximum 200 items	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Power ON/OFF log	8999	9	Power ON/OFF log	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Notification of equipment information	Version list	8999	10	Version list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Engine firmware log	8999	11	Engine firmware log	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	Total counter list	8999	12	Total counter list	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	Maintenance	Notification of equipment information	13Code List	8999	14	13Code List	0	0~1	SYS	0: Disabled 1: Enabled	4	Yes
08	Setting mode	System	General			9000		Destination selection	Refer to contents	0~2	M	0: Others (including Europe) 1: North America 2: Japan <Default value> NAD/NAC: 1 JPC: 2 Others: 0	1	
08	Setting mode	System	Option	FAX		9001		Destination setting	Refer to contents	0~25	SYS	0: Japan 1: Asia 2: Australia 3: Hong Kong 4: U.S.A./Canada 5: Germany 6: U.K. 7: Italy 8: Belgium 9: Netherlands 10: Finland 11: Spain 12: Austria 13: Switzerland 14: Sweden 15: Denmark 16: Norway 17: Portugal 18: France 19: Greece 20: Poland 21: Hungary 22: Czech 23: Turkey 24: South Africa 25: Taiwan <Default value> NAD/NAC: 4 MJD/MJC: 5 JPC: 0 Others: 1	1	Yes
08	Setting mode	System	General			9010		Line adjustment mode	0	0~1	M	0: For factory shipment 1: For line Field: "0" must be selected	1	
08	Setting mode	System	General			9012		Language selection to be displayed at power-ON	Refer to contents		SYS	<Default value> JPC: ja_JP MJD/MJC: en_GB CND: zh_CN Others: en_US	11	
08	Setting mode	System	User interface			9016		Externally installed counter	0	0~5	M	0: No external counter 1: Coin controller (If the value of 08-9979 is "0" (ACS), it is changed to "2" (Full color).) 2: Totalizer/Key card (This value is valid only when "2" is set for 08-9000.) 3: Key counter 5: Coin controller supporting ACS/mixed-size (The value of 08-4131 is set to "1") * "4" cannot be set.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Counter			9017		Setting for counter installed externally	1	0~7	M	Selects the job to count up for the external counter. 0: Not selected 1: Copier 2: Fax 3: Copier/Fax 4: Printer 5: Copier/Printer 6: Fax/Printer 7: Copier/Fax/Printer	1	
08	Setting mode	System	General	Memory		9020		Size information of memory			SYS	Displays the sizes of the main memory and page memory. Enables to check if each memory is properly recognized.	2	Yes
08	Setting mode	System	General			9022		Production process management status for easy setup	99	0~99	SYS	Perform this code when an error occurs during the easy setup (unpacking manual adjustment) and you want to finish the easy setup, or when the error is canceled and you want to restart the unpacking manual adjustment. 0: Unpacking mode finished (before unpacking is started) 1: Auto-toner adjustment finished 2: Sub-hoppers and toner cartridges are installed 3: Confirmation of installation of sub-hoppers and toner cartridges is finished 4: Forcible image quality control finished 5: Forcible image position alignment finished 6: Automatic gamma adjustment (PPC) finished 7: Automatic gamma adjustment (PRT, 600 dpi) finished 8: Automatic gamma adjustment (PRT, 1200 dpi) finished 99: All the unpacking adjustments finished Only 0 to 8 and 99 are available for this code.	1	
08	Setting mode	System	Initialization			9030		Initialization after software version up			SYS	Perform this code when the software in this equipment has been upgraded.	3	Yes
08	Setting mode	System	User interface	Counter installed externally		9037		Job handling-short paid-coin controller	1	0~2	SYS	Sets whether pause or stop the printing job when it is short paid using a coin controller. 0: Pause the job 1: Stop the job 2: Stop the job immediately It is recommended to select "2" (Stop the job immediately) when you want to set "stop" while the multiple numbers of USB direct printing is performed. (To shorten of hours)	1	
08	Setting mode	System	Maintenance	General		9050		Performing panel calibration			SYS	Performs the calibration of the pressing position on the touch panel (LCD screen). The calibration is performed by pressing 4 reference positions after this code is started up.	1	Yes
08	Setting mode	System	User interface	Display setting		9051		Panel calibration setting value	0	0~1	SYS	Switches whether the screen for displaying panel calibration setting values is displayed or not. 0: Disabled (screen not displayed) 1: Enabled (screen displayed)	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	General		9059		Operation switching at calibration	Refer to contents	0~1	SYS	Switches whether a menu for selecting paper in user calibration (automatic gamma adjustment) is displayed or not. 0: Not displayed 1: Displayed (copy/print) <Default value> MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System				9060		Destination display at SRAM initialization	Refer to contents	0~255	SYS	0: MJD/MJC 1: NAD/NAC 2: JPC 3: AUD/AUC 4: CND 5: Not defined 6: Not defined 7: Not defined 8: Not defined 9: ASD 10: ARD <Default value> MJD/MJC: 0 NAD/NAC: 1 JPC: 2 AUD: 3 CND: 4 ASD: 9 ARD: 10	2	
08	Setting mode	System	HDD			9065		HDD diagnostic menu display			SYS	Display the HDD information	2	Yes
08	Setting mode	System	HDD			9072		Performing HDD testing			SYS	Checks the bad sector. It may take more than 30 minutes to finish the checking.	3	
08	Setting mode	System	General			9081		Initialization of department management information			SYS	Initializing of the department management information Enter the code with the digital keys and press the [INITIALIZE] button to perform the initialization. If the area storing the department management information is destroyed for some reason, "Enter Department Code" is displayed on the control panel even if the department management function is not set on. In this case, initialize the area with this code. This area is normally initialized at the factory.	3	
08	Setting mode	System	Initialization			9083		Initialization of NIC information			SYS	Returns the value to the factory shipping default value.	3	Yes
08	Setting mode	System	All clear	LGC-SRAM board		9090		Printer all clear			M	Initializes the SRAM board (for LGC board).	3	Yes
08	Setting mode	System	General			9100		Date and time setting			-	Year/month/date/day/hour/minute/second Example:0307013132748(13 digits) "Day" - "0" is for "Sunday". Proceeds Monday through Saturday from "1" to "6".	5	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9102		Date display format	Refer to contents	0~2	SYS	0: YYYY.MM.DD 1: DD.MM.YYYY 2: MM.DD.YYYY <Default value> MJD/MJC: 1 JPC: 0 Others: 2	1	
08	Setting mode	System	General			9103		Time differences	Refer to contents	0~47	SYS	0: +12.0h 1: +11.5h 2: +11.0h 3: +10.5h 4: +10.0h 5: +9.5h 6: +9.0h 7: +8.5h 8: +8.0h 9: +7.5h 10: +7.0h 11: +6.5h 12: +6.0h 13: +5.5h 14: +5.0h 15: +4.5h 16: +4.0h 17: +3.5h 18: +3.0h 19: +2.5h 20: +2.0h 21: +1.5h 22: +1.0h 23: +0.5h 24: 0.0h 25: -0.5h 26: -1.0h 27: -1.5h 28: -2.0h 29: -2.5h 30: -3.0h 31: -3.5h 32: -4.0h 33: -4.5h 34: -5.0h 35: -5.5h 36: -6.0h 37: -6.5h 38: -7.0h 39: -7.5h 40: -8.0h 41: -8.5h 42: -9.0h 43: -9.5h 44: -10.0h 45: -10.5h 46: -11.0h 47: -11.5h <Default value> MJD/MJC: 24 NAD/NAC: 40 JPC: 6 Others: 0	1	
08	Setting mode	System	User interface			9110		Auto-clear timer setting	3	0~10	SYS	Timer to return the equipment to the default settings when the [START] button is not pressed after the function and the mode are set 0: Not cleared 1 to 10:Set number x 15 sec.	1	
08	Setting mode	System	User interface			9111		Auto power save mode timer setting	4	0, 4, 6~15	SYS	Timer to automatically switch to the auto power save mode when the equipment has not been used 0: Invalid 4: 1 min. 6: 3 min. 7: 4 min. 8: 5 min. 9: 7 min. 10: 10 min. 11: 15 min. 12: 20 min. 13: 30 min. 14: 45 min. 15: 60 min.	1	Yes
08	Setting mode	System	User interface			9112		Auto Shut Off timer setting (Sleep Mode)	21	0~21	SYS	Timer to automatically switch to the Sleep Mode or power off when the equipment has not been used. 0: 3 min. 1: 5 min. 2: 10 min. 3: 15 min. 4: 20 min. 5: 25 min. 6: 30 min. 7: 40 min. 8: 50 min. 9: 60 min. 10: 70 min. 11: 80 min. 12: 90 min. 13: 100 min. 14: 110 min. 15: 120 min. 16: 150 min. 17: 180 min. 18: 210 min. 19: 240 min. 20: Invalid 21: 1 min.	1	Yes
08	Setting mode	System	User interface	Energy save		9113		Screen setting for automatic energy saver / automatic power OFF	Refer to contents	0~1	SYS	0: OFF 1: ON <Default value> MJD/MJC, NAD/NAC, JPC: 1 Others: 0	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	General		9116		Black-free function	0	0~1	SYS	0: Disabled 1: Enabled When "1" (enabled) is set at this code, "1" (black) is automatically set at the code 08-9979. In this case "0" (ACS) and "2" (full color) are not selectable for 08-9979. When "0" (OFF) is set at 08-9120 and "1" (ON) is set at 08-9264, the value for this code becomes "0" (disabled) automatically ("1" is not selectable). When the value of 08-6084 is "1" (Quota type = Job Quota), the value of this code cannot be set to "1".	1	Yes
08	Setting mode	System	General	Raw printing job		9117		Blank page will not be printed	0	0~1	SYS	0: OFF1: ON	1	Yes
08	Setting mode	System	User interface	Department setting		9120		Department setting	0	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	User interface	Department setting		9121		Print setting without department/registration code	1	0~2	SYS	0: Printed forcibly 1: Not printed 2: Deleted forcibly	1	Yes
08	Setting mode	System	User interface	Department setting		9122		Copy	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9123		FAX	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9124		Printer/e-Filing	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9125		Scanning	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	User interface	Department setting		9126		List print	1	0~1	SYS	0: Disabled 1: Enabled	1	Yes
08	Setting mode	System	Counter			9128		Counting method in Twin Color Mode	0	0~2	SYS	Sets the counting method of fee charging or duplexing count in the Twin Color Mode. 0: Count as Twin Color Mode 1: Count as Black Mode 2: Count as Full Color Mode	1	
08	Setting mode	System	User interface	Counter installed externally		9129		Duplex print setting when coin controller is used	1	0~1	SYS	Sets whether duplex printing is allowed or not (only permitting single printing) when a coin controller is used. 0: Invalid (printing only one side) 1: Valid (printing both sides)	1	Yes
08	Setting mode	System	User interface			9130		Highlighting display on LCD	0	0~1	SYS	0: Black letter on white background 1: White letter on black background	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Default mode setting	Default setting	9132		Default setting of screen (Function)	0	0~99	SYS	Sets the screen to be displayed after the auto-clear time has passed or it has recovered from the energy saving mode or sleep mode. 0: Copier 1: Fax 2: Scan 3: Box 4: Print 5: Template 6: Menu 7: Job status 99: EWB * Only 0 to 7, and 99 can be entered.	1	Yes
08	Setting mode	System	User interface			9133		Default setting for APS/AMS	0	0~2	SYS	0: APS (Automatic Paper Selection) 1: AMS (Automatic Magnification Selection) 2: Not selected	1	
08	Setting mode	System	User interface	Default setting of RADF mode		9134		Default setting	0	0~1	SYS	0: Continuous feeding (by pressing the [START] button) 1: Single feeding (by setting original on the tray)	1	Yes
08	Setting mode	System	User interface			9135		Book type original priority	0	0~1	SYS	0: Left page to right page 1: Right page to left page	1	
08	Setting mode	System	User interface			9136		Maximum number of copy volume	0	0~3	SYS	0: 9999 1: 999 2: 99 3: 9	1	
08	Setting mode	System	User interface	Default mode setting	Default setting	9137		Setting for automatic duplexing mode	0	0~3	SYS	0: Invalid 1: Single-sided to duplex copying 2: Two-sided to duplex copying 3: User selection	1	Yes
08	Setting mode	System	User interface			9140		Paper size selection for [OTHER] button	Refer to contents		SYS	Press the icon on the LCD to select the size. <Default value> NAD/NAC: COMP JPC: A5-R Others: FOLIO	9	
08	Setting mode	System	User interface	Default setting of RADF mode		9142		Default setting of RADF original size	0	0~1	SYS	0: Same size originals 1: Mixed size originals	1	Yes
08	Setting mode	System	Feeding system/Paper transport			9143		Time lag before auto-start of bypass feeding	4	0~10	SYS	Sets the time taken to add paper feeding when paper in the bypass tray has run out during the bypass feed copying. 0: Paper is not drawn in unless the [START] button is pressed. 1-10: Setting value x 0.5sec.	1	
08	Setting mode	System	User interface			9144		Blank copying prevention mode during RADF jamming	0	0~1	SYS	0: OFF 1: ON (Start printing when the scanning of each page is finished)	1	
08	Setting mode	System	User interface	Rotation printing		9146		Rotation printing at the non-sorting	0	0~1	SYS	0: Not rotating 1: Rotating	1	Yes
08	Setting mode	System	User interface			9147		Direction priority of original image	0	0~1	SYS	0: Automatic 1: Portrait	1	
08	Setting mode	System	User interface			9148		Inner receiving tray priority at Non-sort Mode	0	0~1	SYS	0: Normal 1: Inner receiving tray	1	
08	Setting mode	System	User interface			9149		Width setting for image shift copying (linkage of front side and back side)	0	0~1	SYS	0: ON 1: OFF	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9150		Automatic Sorting Mode setting (RADF)	2	0~4	SYS	0: Invalid 1: STAPLE 2: SORT 3: GROUP 4: ROTATE SORT	1	
08	Setting mode	System	User interface			9151		Default setting of Sorter Mode	0	0~4	SYS	0: NON-SORT 1: STAPLE 2: SORT 3: GROUP 4: ROTATE SORT	1	
08	Setting mode	System	User interface			9152		Correction of reproduction ratio in editing copy	10	0~10	SYS	Sets the reproduction ratio for the "X in 1" printing (including magazine sort) to the "Reproduction ratio x Correction ratio". 0: 90% 1: 91% 2: 92% 3: 93% 4: 94% 5: 95% 6: 96% 7: 97% 8: 98% 9: 99% 10: 100%	1	
08	Setting mode	System	User interface			9153		Image position in editing	2	0~3	SYS	Sets the page pasted position for "X in 1" to the upper left corner/center. 0: Cornering (PPC)/Cornering (PRT) 1: Centering (PPC)/Cornering (PRT) 2: Cornering (PPC)/Centering (PRT) 3: Centering (PPC)/Centering (PRT)	1	
08	Setting mode	System	User interface			9155		Magazine sort setting	0	0~1	SYS	0: Left page to right page 1: Right page to left page	1	
08	Setting mode	System	User interface			9156		2 in 1/4 in 1 page allocating order setting	0	0~1	SYS	0: Horizontal 1: Vertical	1	
08	Setting mode	System	User interface			9157		Printing format setting for Time Stamp and Page Number	0	0~1	SYS	0: Hyphen OFF 1: Hyphen ON Hyphen printing format ON: -1- OFF: 1	1	
08	Setting mode	System	User interface	Cascade operation setting	PPC / FAX	9158	0	Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	User interface	Cascade operation setting	PPC / FAX	9158	1	Operation setting	0	0~1	SYS	0: Once 1: Circulation (Loop)	4	
08	Setting mode	System	User interface	Cascade operation setting	Printer/Box	9159	0	Enable/Disable setting	0	0~1	SYS	0: Disabled 1: Enabled	4	
08	Setting mode	System	User interface	Cascade operation setting	Printer/Box	9159	1	Operation setting	0	0~1	SYS	0: Once 1: Circulation (Loop)	4	
08	Setting mode	System	User interface			9163		Default setting of printing direction for Time Stamp and Page Number	0	0~1	SYS	0: Short edge 1: Long edge	1	
08	Setting mode	System	User interface	Paper Feed		9164		Auto-start setting for bypass feed printing	0	0~1	SYS	Sets whether or not feeding a paper automatically into the copier when it is placed on the bypass tray. 0: OFF (Press the [START] button to start feeding.) 1: ON (Automatic feeding)	1	Yes
08	Setting mode	System	User interface			9165		Auto-start setting for bypass feed printing (Local)	1	0~1	SYS	Sets whether or not feeding a paper automatically into the copier when it is placed on the bypass tray. 0: OFF (Press the [START] button to start feeding.) 1: ON (Automatic feeding)	1	
08	Setting mode	System	User interface			9178		Color 1 at twin color selection (Select what color black in original is copied)	0	0~6	SYS	0: K 1: Y 2: M 3: C 4: R 5: G 6: B	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9179		Color 2 at twin color selection (Select what color other than black in original is copied)	4	0~6	SYS	0: K 1: Y 2: M 3: C 4: R 5: G 6: B	1	
08	Setting mode	System	Option	FAX		9183		Adaptation of paper source	0	0~1	SYS	0: Not subjected for APS judgment 1: Subjected for APS judgment	1	Yes
08	Setting mode	System	User interface			9184		Centering printing of primary/secondary direction at AMS	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface	Feeding paper media		9185	0	Copier	15	1~15	SYS	Sets a media type for a drawer selected with APS function or drawer buttons for the copier function. Values are selectable from 1 to 15 (decimal number). When "0" is entered, the media is not available for feeding. When "1" is entered, it is available for feeding for each bit value. Bit0: Plain paper Bit1: Recycled paper Bit2: Plain paper 1 Bit3: Plain paper 2	4	
08	Setting mode	System	User interface	Feeding paper media		9185	1	Printer/Box	13	1~15	SYS	Sets a media type for print data originally set for plain paper in the printer function or e-Filing box printing. This setting is used for drawer searching or media-type inconsistency judgment and will not be affected to print data for plain papers 1 and 2 or other media types. Values are selectable among 1, 4, 5, 8, 9, 12 and 13 (decimal number). When "0" is entered, the media is not available for feeding. When "1" is entered, it is available for feeding for each bit value. Bit0: Plain paper Bit1: N/A (Always set "0".) Bit2: Plain paper 1 Bit3: Plain paper 2	4	
08	Setting mode	System	Network	Retention period		9193		Web data retention period	10	0~999	SYS	When a certain period of time has passed without operation after accessing TopAccess, the data being registered is automatically reset. This period is set at this code. (Unit: minute)	1	Yes
08	Setting mode	System	User interface			9198		Offsetting between jobs	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Cleaner			9199		Automatic interruption page number setting for printing	500	0~9999	SYS	Sets the number of pages to interrupt printing automatically. If "1" or more is set to this code, printing is interrupted at the set value. If "0" is set, printing is not interrupted automatically. By the combination of this code and 08-2509, performing image quality control is possible while processing jobs. Even if the number of jobs exceeds the set value of 08-2509, image quality control can be performed around the set value of 08-2509 by interrupting printing automatically with this code, and the change of image density can be suppressed. However, image problems may occur if the value extremely smaller than the default value is set to the equipment whose print ratio of monochrome is relatively high. (unit: pages)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network	Retention period		9200		File retention period	30	0-999	SYS	0: No limits 1 to 999: 1 to 999 days	1	Yes
08	Setting mode	System	Network	Email		9201		Max. size in email/InternetFAX transmission	30	2-100	SYS	2 to 100 MB	1	Yes
08	Setting mode	System	Electronicfiling			9203		e-Filing document guarantee mode	1	0-1	SYS	Sets the file retention level during edition in e-Filing (when the document cut/save command is used) 0: Not retained (Documents could be lost due to We session timeout / electricity cutoff during document cut/save.) 1: Full retained - Documents are retained until cut/save command completion. When "1" is set, documents are not lost even if disk full occurs during command execution.	1	
08	Setting mode	System	User interface			9204		Binarizing level selection (When judging as black in the ACS Mode)	3	1-5	SYS	0: Step -2 1: Step -1 2: Step 0 (center) 3: Step 1 4: Step 2 The binarizing level of each step is set at 08-9230.	1	
08	Setting mode	System	Electronicfiling			9207		Default setting of user box retention period	0	0-999	SYS	Sets the data retention period when creating a user box.0: Not deleted 1 to 999: Retention period (Unit: Day)	1	
08	Setting mode	System	HDD			9208		Warning notification-File Share/e-Filing	90	0-100	SYS	Sets the percentage of HDD partition filled when warning notification is sent. 0 to 100: 0 to 100% * Checks the remaining amount of HDD with the searching interval set at 08-9225.	1	Yes
08	Setting mode	System	Scanning			9209		Notification setting of E-mail saving time limit	3	0-99	SYS	Sets the days left the notification of E-mail saving time limit appears 0 to 99: 0 to 99 days	1	
08	Setting mode	System	Scanning			9210		Default setting of partial size when transmitting E-mail	0	0-6	SYS	Sets the default value for the partial size of E-mail to be transmitted when creating a template. 0: Not divided 1: 64 2: 128 3: 256 4: 512 5:1024 6: 2048 (Unit: KB)	1	
08	Setting mode	System	Option	FAX		9211		Default setting of page by page-I FAX	0	0-4	SYS	Sets the default value for the page by page of Internet FAX to be transmitted when creating a template. 0: Not divided 1: 256 2: 512 3: 1024 4: 2048 (Unit: KB)	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9213		Default set of density adjust (Black)	0	0-11	SYS	0: Automatic density 1: Step -5 2: Step -4 3: Step -3 4: Step -2 5: Step -1 6: Step 0 (center) 7: Step +1 8: Step +2 9: Step +3 10: Step +4 11: Step +5 (1 to 11: Manual density)	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9214		Default setting of background adjustment (Full Color)	5	1~9	SYS	1: Step -4 2: Step -3 3: Step -2 4: Step -1 5: Step 0 (center) 6: Step +1 7: Step +2 8: Step +3 9: Step +4	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9215		Color mode	0	0~4	SYS	0: Black 1: Gray Scale 2: Unused 3: Full Color 4: Auto Color	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9216		Full Color	2	0~5	SYS	0: 100 dpi 1: 150 dpi 2: 200 dpi 3: 300 dpi 4: 400 dpi 5: 600 dpi	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9217		Gray Scale	2	0~5	SYS	0: 100 dpi 1: 150 dpi 2: 200 dpi 3: 300 dpi 4: 400 dpi 5: 600 dpi	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting of resolution (SCN)	9218		Black	1	0~5	SYS	0: 150 dpi 1: 200 dpi 2: 300 dpi 3: 400 dpi 4: 600 dpi 5: 100 dpi	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9219		Original mode (Full color)	0	0~3	SYS	0: Text 1: Photo 2: Print 3: Custom (Valid only when a setting other than "0" is set for 08-8303)	1	Yes
08	Setting mode	System	User interface	Default mode setting	Default setting (SCN)	9220		Original mode (Black)	0	0~3	SYS	0: Text 1: Text/Photo 2: Photo 3: Custom The value other than "0" needs to be set for 08-7401 to select "3: Custom."	1	Yes
08	Setting mode	System	User interface			9221		Default setting of scanning mode	0	0~2	SYS	0: Single 1: Book 2: Tablet	1	
08	Setting mode	System	User interface			9222		Default setting of rotation mode	0	0~3	SYS	0: 0 degree 1: 90 degrees 2: 180 degrees 3: 270 degrees	1	
08	Setting mode	System	User interface			9223		Default setting of original paper size	0	0~22	SYS	0: Automatic 1: A3 2: A4 3: LD 4: LT 5: A4-R 6: A5-R 7: LT-R 8: LG 9: B4 10: B5 11: ST-R 12: COMP 13: B5-R 14: FOLIO 15: 13"LG 16: 8.5"x 8.5" 18: A6-R 19: Size mixed 20: 8K 21: 16K 22: 16K-R	1	
08	Setting mode	System	General			9225		Searching interval of deleting expired files and checking capacity of HDD partitions	12	1~24	SYS	Sets the search interval of deleting expired files and checking capacity of HDD partitions. (Unit: Hour) Related code 08-9208	1	
08	Setting mode	System	User interface			9226		Default setting of background adjustment (Gray Scale)	5	1~9	SYS	1: Step -4 2: Step -3 3: Step -2 4: Step -1 5: Step 0 (center) 6: Step +1 7: Step +2 8: Step +3 9: Step +4	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	User interface	Default setting of filing format	E-mail	9227		Black	1	0~8	SYS	0: TIFF (Multi) 1: PDF (Multi) 3: TIFF (Single) 4: PDF (Single) 5: XPS (Multi) 6: XPS (Single) 7:PDF/A(Multi) 8:PDF/A(Single)	1	Yes
08	Setting mode	System	User interface	Default setting of filing format	Storing files	9228		Color/ACS	1	0~10	SYS	0: TIFF (Multi) 1: PDF (Multi) 2: JPG 3: TIFF (Single) 4: PDF (Single) 5: SLIM PDF (Multi) 6: SLIM PDF (Single) 7: XPS (Multi) 8: XPS (Single) 9: PDF/A(Multi) 10: PDF/A(Single)	1	Yes
08	Setting mode	System	User interface	Default setting of filing format	Storing files	9229		Black	Refer to contents	0~8	SYS	0: TIFF (Multi) 1: PDF (Multi) 3: TIFF (Single) 4: PDF (Single) 5: XPS (Multi) 6: XPS (Single) 7:PDF/A(Multi) 8:PDF/A(Single) <Default value> MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System	Image	Binarizing level setting(When judging as black in the ACS Mode)		9230	0	Step -2	115	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting(When judging as black in the ACS Mode)		9230	1	Step -1	145	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting(When judging as black in the ACS Mode)		9230	2	Step 0 (center)	175	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting(When judging as black in the ACS Mode)		9230	3	Step +1	205	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Image	Binarizing level setting(When judging as black in the ACS Mode)		9230	4	Step +2	235	0~255	SYS	Sets the binarizing level of each step. When the value increases, the image becomes darker. When the value decreases, the image becomes lighter. Refer to 08-9204.	4	
08	Setting mode	System	Scanning			9233		Equipment name and user name setting to a folder when saving files	0	0~2	SYS	Sets whether or not adding the equipment name and user name to the folder when saving files. 0: Not add 1: Add the equipment name 2: Add the user name	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9236		Default setting of print screen	1	1~4	SYS	1: Private print screen (Job list of log-in user is displayed if user authentication is enabled.) 2: Hold print screen (Job list of log-in user is displayed if user authentication is enabled.) 3: Private print screen (If the private print screen is displayed when user authentication is enabled, user list is displayed if user logs in as GUEST, and job list of log-in user is displayed if user logs in as general user.) 4: Hold print screen (If the private print screen is displayed when user authentication is enabled, user list is displayed if user logs in as GUEST, and job list of log-in user is displayed if user logs in as general user.) * If user data department management (08-9264) is changed from OFF to ON, the value in this code changes from "1" to "2", and "3" to "4". The value does not change if it is "2" or "4". Reset this value as necessary when changing user data department management (08-9264) from OFF to ON.	1	
08	Setting mode	System	Data overwrite enabler			9240		Data clearing type setting	3	0~3	SYS	Select the type of the overwriting level for deleting HDD data. (This setting is enabled only when the GP-1070 is installed.) 0: LOW Standard overwriting method. 1: MEDIUM More secure overwriting method than LOW. The overwriting time is between LOW and HIGH. 2: HIGH The most secure overwriting method. The overwriting time is the longest. 3: SIMPLE Simple overwriting method. The time for overwriting is the shortest.	1	
08	Setting mode	System	Feeding system/Paper transport			9248		Tab paper / Inserter paper automatic feeding setting (Remote)	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface			9250		Image setting for Electronic Filing printing (Only for color image)	0	0~3	SYS	0: General 1: Photograph 2: Presentation 3: Line art	1	
08	Setting mode	System	User interface			9251		Access code entry for Electronic Filing printing	0	0~1	SYS	0: Renewed automatically 1: Enter every time	1	
08	Setting mode	System	User interface			9252		Clearing timing for files and Electronic Filing Agent	1	0~1	SYS	0: Immediately after the completion of scanning 1: Cleared by Auto Clear	1	
08	Setting mode	System	Feeding system/Paper transport			9253		Setting of paper size switching to 13" LG	0	0~2	SYS	0: Not switched 1: LG -> 13"LG 2: FOLIO -> 13"LG	1	
08	Setting mode	System	Option	FAX		9254		Mixed width of paper	0	0~1	SYS	When the width of paper is different at fax transmission, set the value of this code to "1". When the value is set to "1", the scanning performance at fax transmission decreases due to switchback. 0: Mixed width of paper is disabled 1: Mixed width of paper is enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Option	FAX		9255		FOLIO/A4-R judgment when mixed width of paper is enabled	0	0~1	SYS	This code is effective when the value of 08-9254 is "1". When the value of this code is "0", the paper size is judged by performing switchback. When the value of this code is "1" and the paper size is AB-series, FOLIO is judged as A4-R and switchback is not performed. When the paper size is LT-series, the switchback is always performed. When the value of this code is set to "1", the scanning performance increases at fax transmission. However, the whole image cannot be output since FOLIO is judged as A4-R. 0: Judgment is enabled 1: Judgment is disabled	1	
08	Setting mode	System	User interface			9261		Maximum number of time job build performed	1000	5~1000	SYS	Sets the maximum number of time a job build has been performed. 5-1000: 5 to 1000 times	1	
08	Setting mode	System	General			9264		User data department management	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Feeding system/Paper transport			9267		Detection method of 13" LG for single-size document	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	Option	FAX		9268		Inbound FAX function (Forwarding by TSI)	1	0~1	SYS	0: OFF (Function disabled) 1: ON (Function enabled)	1	Yes
08	Setting mode	System	Option	FAX		9269		Tab/cover sheet-FAX Printing stop function	0	0~1	SYS	Sets ON or OFF of the printing function of special sheets such as tab or cover sheet of FAX, Email or list print. 0: Function OFF 1: Function ON	1	Yes
08	Setting mode	System	Network			9271		Authentication method of "Scan to Email"	0	0~2	SYS	0: Disabled 1: SMTP authentication 2: LDAP authentication	1	
08	Setting mode	System	Network			9272		Setting whether use of the Internet FAX is permitted at the time of authentication	0	0~1	SYS	0: Not permitted 1: Permitted	1	
08	Setting mode	System	Network			9274		"From" address assignment method at the time of authentication	0	0~3	SYS	0: User name + @ + Domain name 1: LDAP searching 2: Use the address registered at "From" field of E-mail setting 3: Use the address registered at Local User of E-mail setting * The value can be changed to "3" only when "0" (Local authentication) is set in 08-9293.	1	
08	Setting mode	System	Network			9276		Setting for "From" address edit at "Scan to Email"	0	0~1	SYS	0: Not permitted 1: Permitted	1	
08	Setting mode	System	Network			9278		E-mail domain name			SYS	96 + 2 (delimiter) character ASCII sequence only	11	
08	Setting mode	System	User interface	Sound		9280		Error sound	1	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Sound		9281		Sound setting -- Energy Saving	Refer to contents	0~1	SYS	0: OFF 1: ON <Default value> JPC: 0 Others: 1	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9288		User data management limitation setting (Color)	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9289		User data management limitation Setting by number of printouts (Color)	0	0~9,999,99	SYS	0-9,999,999: 0-9,999,999 sheets	1	
08	Setting mode	System	General			9290		Default screen for the entry of Japanese characters	1	0~4	SYS	0: Roman 1: Hiragana 2: Katakana 3: Alphabet 4: Symbol	1	
08	Setting mode	System	General			9291		JPD Only	0	0~1	SYS	JPD Only	1	
08	Setting mode	System	General			9293		User authentication method	0	0~2	SYS	0: Local authentication 1: Windows domain authentication 2: LDAP authentication	1	
08	Setting mode	System	General			9294		Automatic user registration for external authentication	1	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9295		User data management limitation setting	0	0~1	SYS	0: Disabled 1: Enabled	1	
08	Setting mode	System	General			9296		User data management limitation Setting by number of printouts	0	0~9,999,99	SYS	0-9,999,999: 0-9,999,999 sheets	1	
08	Setting mode	System	Network			9298		Restriction on Address book operation by administrator	0	0~1	SYS	Some restrictions can be given on the administrator for operating the Address book. 0: No restriction 1: Can be operated only under the administrator's authorization	1	
08	Setting mode	System	Network			9299		Restriction on "To" ("cc") address	0	0~3	SYS	0: No restriction 1: Can be set from both of the Address book and LDAP server 2: Can be set only from the Address book 3: Can be set only from the LDAP server	1	
08	Setting mode	System	Feeding system/Paper transport			9300		1st drawer Paper	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9301		2nd drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9302		3rd drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9303		4th drawer Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Feeding system/Paper transport			9304		T-LCF Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9305		Bypass tray Paper information	0	0~135	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 4: OHP film 5: Thick paper 4 6: Special paper 1 7: Special paper 2 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 16: OHP film 129: Thick paper 1 (back) 130: Thick paper 2 (back) 131: Thick paper 3 (back) 132: Thick paper 4 (back) 134: Special paper 1 (back) 135: Special paper 2 (back) Only 0 to 4, 6 to 10, 16, 129 to 132, 134 and 135 are acceptable.	1	
08	Setting mode	System	Feeding system/Paper transport			9306		LT ↔ A4/LD ↔ A3	0	0~1	SYS	Sets to whether to print a document in a different paper size from the one selected if there is no drawer which has the same size setting. 0: Enabled Prints a document specified in an LT/LD size with an A4/A3 one, or vice versa. 1: Disabled: Sets to display a message notifying that the same paper size as the one selected should be used.	1	
08	Setting mode	System	Network	Print	Retention period	9307		Storage period at trail and private	14	0~53	SYS	0: No limits 1 to 30: 1 to 30 days 31: 1 hour 32: 2 hours 33: 4 hours 34: 8 hours 35: 12 hours 50: 5 min. 51: 10 min. 52: 15 min. 53: 30 min.	1	Yes
08	Setting mode	System	Network			9308		Raw printing job (Duplex)	1	0~1	SYS	0: Valid 1: Invalid	1	
08	Setting mode	System	Network			9309		Raw printing job (Paper size)	Refer to contents	0~13	SYS	0: LD 1: LG 2: LT 3: COMP 4: ST 5: A3 6: A4 7: A5 8: A6 9: B4 10: B5 11: FOLIO 12: 13"LG 13: 8.5" x 8.5" <Default value> NAD/NAC: 2 Others: 6	1	
08	Setting mode	System	Network			9310		Raw printing job(Paper type)	0	0~7	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 4: OHP film 5: Thick paper 4 7: Recycled paper	1	
08	Setting mode	System	Network			9311		Raw printing job (Paper direction)	0	0~1	SYS	0: Portrait 1: Landscape	1	
08	Setting mode	System	Network			9312		Raw printing job (Staple)	1	0~1	SYS	0: Valid 1: Invalid	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9313		Raw printing job (Exit tray)	0	0~6	SYS	0: Inner Tray 1: Finisher Tray1 2: Finisher Tray2 3: Unused 4: Job Separator Upper 5: Job Separator Lower 6: Exit Tray	1	
08	Setting mode	System	Network			9314		Raw printing job (Number of form lines)	1200	500~12800	SYS	Sets the number of form lines from 5 to 128. (A hundredfold of the number of form lines is defined as the setting value.)	1	
08	Setting mode	System	Network			9315		Raw printing job (PCL font pitch)	1000	44~9999	SYS	Sets the font pitch from 0.44 to 99.99. (A hundredfold of the font pitch is defined as the setting value.)	1	
08	Setting mode	System	Network			9316		Raw printing job (PCL font size)	1200	400~99975	SYS	Sets the font size from 4 to 999.75.(A hundredfold of the font size is defined as the setting value.)	1	
08	Setting mode	System	Network			9317		Raw printing job (PCL font number)	0	0~9999	SYS	Sets the PCL font number.	1	
08	Setting mode	System	Feeding system/Paper transport			9318		Memory 1 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 1].	10	
08	Setting mode	System	Feeding system/Paper transport			9319		Memory 2 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 2].	10	
08	Setting mode	System	Feeding system/Paper transport			9320		Memory 3 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 3].	10	
08	Setting mode	System	Feeding system/Paper transport			9321		Memory 4 Paper size (bypass feeding/non-standard type) feeding/widthwise direction	148/100	148~432/100~297	SYS	Registers the paper size of bypass feed (non-standard type) into [MEMORY 4].	10	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	0	1st drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	1	2nd drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	2	3rd drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	3	4th drawer	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	Feeding system/Paper transport	Coated Paper Mode setting for paper source		9322	4	LCF	0	0~1	SYS	Sets whether or not applying the Coated Paper Mode to each paper source. 0: Normal mode 1: Coated Paper Mode Coated Paper Mode - This mode is selected when the paper which often causes the misfeeding (ex. coated paper) is used. The occurrence of misfeeding is reduced by lengthening the jam detection time. However, the printing speed is lowered since the printing cycle is also lengthened with the lengthened jam detection time.	4	
08	Setting mode	System	User interface	Sound		9325		Key touch sound of control panel	1	0~1	SYS	0: OFF 1: ON	1	Yes
08	Setting mode	System	User interface	Display setting		9326		Size indicator	0	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	General			9327		Setting of banner advertising display	0	0~1	SYS	Sets whether or not displaying the banner advertising. The setting contents of 08-9328 and 08-9329 are displayed at the time display section on the right top of the screen. When both are set, each content is displayed alternately. 0: Not displayed 1: Displayed	1	
08	Setting mode	System	General			9328		Banner advertising display 1			SYS	Maximum 27 letters (one-byte character)	11	
08	Setting mode	System	General			9329		Banner advertising display 2			SYS	Maximum 27 letters (one-byte character)	11	
08	Setting mode	System	General			9330		Display of [BANNER MESSAGE] button	0	0~1	SYS	0: Not displayed 1: Displayed This button enables the entry of "Banner advertising display 1 (08-9328)" and "Banner advertising display 2 (08-9329)" on the control panel.	1	
08	Setting mode	System	Network			9331		Local I/F time-out period	6	1~50	SYS	Sets the period of time when the job is judged as completed in local I/F printing (USB or parallel). 1: 1.0 sec. 2: 1.5 sec. 50: 25.5 sec. (in increments of 0.5 sec.)	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9332		Original counter display	Refer to contents	0, 2, 4	SYS	Sets whether the original counter is displayed or not. 0: Not displayed 2: Displayed 4: Displayed (Double sized original is counted as 2.) <Default value> MJD/MJC: 2 Others: 0	1	
08	Setting mode	System	Network			9334		PCL line feed code setting	0	0~3	SYS	Sets the PCL line feed code. 0: Automatic setting 1: CR=CR, LF=LF 2: CR=CR+LF, LF=LF 3: CR=CR, LF=CR+LF	1	
08	Setting mode	System	Feeding system/Paper transport			9336		Default setting of drawers (Printer/BOX)	6	1~6	SYS	1: T-LCF 2: 1st drawer 3: 2nd drawer 4: 3rd drawer 5: 4th drawer 6: O-LCF	1	
08	Setting mode	System	User interface			9337		Restriction of the template function with the administrator privilege	0	0~1	SYS	Selects the restriction of the template function usage setting. 0: No restriction 1: Only available with the administrator privilege.	1	
08	Setting mode	System	Network			9338		Raw printing job (Paper feeding drawer)	0	0~6	SYS	0: AUTO 1: 1st drawer 2: 2nd drawer 3: 3rd drawer 4: 4th drawer 5: T-LCF 6: O-LCF	1	
08	Setting mode	System	Network			9339		Raw printing job (PCL symbol set)	0	0~39	SYS	0: Roman-8 1: ISO 8859/1 Latin 1 2: ISO 8859/2 Latin 2 3: ISO 8859/9 Latin 5 4: PC-8, Code Page 437 5: PC-8 D/N, Danish/Norwegian 6: PC-850, Multilingual 7: PC-852, Latin2 8: PC-8 Turkish 9: Windows 3.1 Latin 1 10: Windows 3.1 Latin 2 11: Windows 3.1 Latin 5 12: DeskTop 13: PS Text 14: Ventura International 15: Ventura US 16: Microsoft Publishing 17: Math-8 18: PS Math 19: Ventura Math 20: Pi Font 21: Legal 22: ISO 4: United Kingdom 23: ISO 6: ASCII 24: ISO 11 25: ISO 15: Italian 26: ISO 17 27: ISO 21: German 28: ISO 60: Danish/Norwegian 29: ISO 69: French 30: Windows 3.0 Latin 1 31: MC Text 32: PC Cyrillic 33: ITC Zapf Dingbats 34: ISO 8859/10 Latin 6 35: PC-775 36: PC-1004 37: Symbol 38: Windows Baltic 39: Wingdings	1	
08	Setting mode	System	User interface	Binding margin setting		9341	0	Left binding front (Right binding back)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	1	Left binding back (Right binding front)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	2	Top binding front (Bottom binding back)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9341	3	Top binding back (Bottom binding front)	7	0~100	SYS	Sets the binding margin displayed as default on the setting screen for the top/bottom/left/right binding function when copying. (Unit: mm)	4	Yes
08	Setting mode	System	User interface	Binding margin setting		9342		Book binding	14	0~30	SYS	Sets the binding margin displayed as default on the setting screen for the book binding function when copying.	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Feeding system/Paper transport	Automatic change of paper source	Auto	9343		Printing/BOX printing	1	1~2	SYS	Sets whether the drawer is changed automatically if the paper runs out in the selected drawer and the paper of the same size is in other drawer. 1: ON (Changes to the drawer with the same paper direction and size: ex. A4 to A4) 2: ON (Changes to the drawer with the same paper size. Paper with the different direction is acceptable as long as the size is the same: ex., A4 to A4-R, LT-R to LT. "1" is applied when the staple/hole punch is specified.)	1	Yes
08	Setting mode	System	Network			9344		Restriction mode of network printing	0	0~3	SYS	0: Normal 1: Private-print-only mode 2: Hold-print-only mode 3: Private/Hold-print only mode	1	
08	Setting mode	System	Feeding system/Paper transport			9347		O-LCF Paper information	0	0~10	SYS	0: Plain paper 1: Thick paper 1 2: Thick paper 2 3: Thick paper 3 8: Recycled paper 9: Plain paper 1 10: Plain paper 2 Only 0 to 3 and 8 to 10 are acceptable.	1	
08	Setting mode	System	User interface			9352		Display of paper size setting by installation operation of drawers	Refer to contents	0~1	SYS	0: Not displayed 1: Displayed <Default value> MJD/MJC, JPC: 0 Others: 1	1	
08	Setting mode	System	General			9357		Enhanced bold for PCL6	0	0~1	SYS	0: OFF 1: ON(Enhanced bold for PCL6.)	1	
08	Setting mode	System	User interface	Paper Feed		9359		Printing resume after jam releasing	1	0~1	SYS	0: Auto resume 1: Resume by users	1	Yes
08	Setting mode	System	General	Available profile display		9361	0	BP_OP_00.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	1	BP_OP_01.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	2	BP_OP_02.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	3	BP_OP_03.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	4	BP_OP_04.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	5	BP_OP_05.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	6	BP_OP_06.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	7	BP_OP_07.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	8	BP_OP_08.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	9	BP_OP_09.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	10	BP_OP_10.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	11	BP_OP_11.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	12	BP_OP_12.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	13	BP_OP_13.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	14	BP_OP_14.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	15	BP_OP_15.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	16	BP_OP_16.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	17	BP_OP_17.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	18	BP_OP_18.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	19	BP_OP_19.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	20	BP_OP_20.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	21	BP_OP_21.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	22	BP_OP_22.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	23	BP_OP_23.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	24	BP_OP_24.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	25	BP_OP_25.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	26	BP_OP_26.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	27	BP_OP_27.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	28	BP_OP_28.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	29	BP_OP_29.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	30	BP_OP_30.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	31	BP_OP_31.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	32	BP_OP_32.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	33	BP_OP_33.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	34	BP_OP_34.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	35	BP_OP_35.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	36	BP_OP_36.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	37	BP_OP_37.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	38	BP_OP_38.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	39	BP_OP_39.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	40	BP_OP_40.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	41	BP_OP_41.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	42	BP_OP_42.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	43	BP_OP_43.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	44	BP_OP_44.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Available profile display		9361	45	BP_OP_45.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	46	BP_OP_46.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	47	BP_OP_47.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	48	BP_OP_48.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	49	BP_OP_49.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	50	BP_OP_50.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	51	BP_OP_51.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	52	BP_OP_52.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Available profile display		9361	53	BP_OP_53.icc			SYS	Displaying the current Output Profile and PG CIEBasedPureGrayTRC attribute (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9362		Recovery of the profile at the shipment	0	0~53	SYS	Recovers the default Output Profile and PG CIEBasedPureGrayTRC (PG CIEBasedPureGrayTRC in the same sub-code is recovered to the default.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General			9363		Copying the profile at the shipment to USB memory	0	0~53	SYS	Copies the default Output Profile and PG CIEBasedPureGrayTRC to the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9364		Uploading the profile at the shipment from UBS memory	0	0-53	SYS	Uploads the default Output Profile and PG CIEBasedPureGrayTRC from the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	0	BP_OP_00.000			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	1	BP_OP_00.001			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	2	BP_OP_00.002			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	3	BP_OP_00.003			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	4	BP_OP_00.004			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	5	BP_OP_00.005			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	6	BP_OP_00.006			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	7	BP_OP_00.007			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	8	BP_OP_00.008			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	9	BP_OP_00.009			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	10	BP_OP_00.010			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	11	BP_OP_00.011			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	12	BP_OP_00.012			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	13	BP_OP_00.013			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	14	BP_OP_00.014			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	15	BP_OP_00.015			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	16	BP_OP_00.016			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	17	BP_OP_00.017			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	18	BP_OP_00.018			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	19	BP_OP_00.019			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	20	BP_OP_00.020			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	21	BP_OP_00.021			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	22	BP_OP_00.022			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	23	BP_OP_00.023			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	24	BP_OP_00.024			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	25	BP_OP_00.025			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	26	BP_OP_00.026			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	27	BP_OP_00.027			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	28	BP_OP_00.028			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	29	BP_OP_00.029			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	30	BP_OP_00.030			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	31	BP_OP_00.031			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	32	BP_OP_00.032			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	33	BP_OP_00.033			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	34	BP_OP_00.034			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	35	BP_OP_00.035			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	36	BP_OP_00.036			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	37	BP_OP_00.037			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	38	BP_OP_00.038			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	39	BP_OP_00.039			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	40	BP_OP_00.040			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	41	BP_OP_00.041			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	42	BP_OP_00.042			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	43	BP_OP_00.043			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	44	BP_OP_00.044			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	45	BP_OP_00.045			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	46	BP_OP_00.046			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	47	BP_OP_00.047			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	48	BP_OP_00.048			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	49	BP_OP_00.049			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	50	BP_OP_00.050			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	51	BP_OP_00.051			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	52	BP_OP_00.052			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9365	53	BP_OP_00.053			SYS	Displays the default Output Profile and PG CIEBasedPureGrayTRC attribute. (PG CIEBasedPureGrayTRC attribute in the same sub-code is displayed at the same time.)	14	
08	Setting mode	System	General			9366		Making the profile available	0	0~53	SYS	Selecting a profile Overwrites the adjusted Output Profile on the current area (PG CIEBasedPureGrayTRC in the same sub-code is replaced with the adjusted profile at the same time.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9367		Copying the adjusted profile to USB memory	0	0-53	SYS	Copies the adjusted Output Profile and PG CIEBasedPureGrayTRC to the USB memory. (PG CIEBasedPureGrayTRC in the same sub-code is copied to the USB memory at the same time.) 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General			9368		Uploading the adjusted profile from USB memory	0	0-53	SYS	Uploads the Output Profile and PG CIEBasedPureGrayTRC from the USB memory. 0: BP_OP_00 1: BP_OP_01 2: BP_OP_02 3: BP_OP_03 4: BP_OP_04 5: BP_OP_05 6: BP_OP_06 7: BP_OP_07 8: BP_OP_08 9: BP_OP_09 10: BP_OP_10 11: BP_OP_11 12: BP_OP_12 13: BP_OP_13 14: BP_OP_14 15: BP_OP_15 16: BP_OP_16 17: BP_OP_17 18: BP_OP_18 19: BP_OP_19 20: BP_OP_20 21: BP_OP_21 22: BP_OP_22 23: BP_OP_23 24: BP_OP_24 25: BP_OP_25 26: BP_OP_26 27: BP_OP_27 28: BP_OP_28 29: BP_OP_29 30: BP_OP_30 31: BP_OP_31 32: BP_OP_32 33: BP_OP_33 34: BP_OP_34 35: BP_OP_35 36: BP_OP_36 37: BP_OP_37 38: BP_OP_38 39: BP_OP_39 40: BP_OP_40 41: BP_OP_41 42: BP_OP_42 43: BP_OP_43 44: BP_OP_44 45: BP_OP_45 46: BP_OP_46 47: BP_OP_47 48: BP_OP_48 49: BP_OP_49 50: BP_OP_50 51: BP_OP_51 52: BP_OP_52 53: BP_OP_53	1	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	0	BP_OP_00.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	1	BP_OP_01.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	2	BP_OP_02.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	3	BP_OP_03.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	4	BP_OP_04.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	5	BP_OP_05.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	6	BP_OP_06.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	7	BP_OP_07.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	8	BP_OP_08.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	9	BP_OP_09.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	10	BP_OP_10.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	11	BP_OP_11.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	12	BP_OP_12.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	13	BP_OP_13.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	14	BP_OP_14.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	15	BP_OP_15.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	16	BP_OP_16.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	17	BP_OP_17.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	18	BP_OP_18.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	19	BP_OP_19.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	20	BP_OP_20.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	21	BP_OP_21.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	22	BP_OP_22.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	23	BP_OP_23.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	24	BP_OP_24.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	25	BP_OP_25.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	26	BP_OP_26.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	27	BP_OP_27.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	28	BP_OP_28.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	29	BP_OP_29.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	30	BP_OP_30.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	31	BP_OP_31.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	32	BP_OP_32.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	33	BP_OP_33.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	34	BP_OP_34.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	35	BP_OP_35.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	36	BP_OP_36.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	37	BP_OP_37.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	38	BP_OP_38.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	39	BP_OP_39.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	40	BP_OP_40.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	41	BP_OP_41.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Proc edure	ServiceUI
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	42	BP_OP_42.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	43	BP_OP_43.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	44	BP_OP_44.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	45	BP_OP_45.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	46	BP_OP_46.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	47	BP_OP_47.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	48	BP_OP_48.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	49	BP_OP_49.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	50	BP_OP_50.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	51	BP_OP_51.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	52	BP_OP_52.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	
08	Setting mode	System	General	Displaying the attribute of the profile at the shipment		9369	53	BP_OP_53.001			SYS	Displays the adjusted Output Profile and PG CIEBasedPureGrayTRC attribute in the same sub-code.	14	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9379		AES data encryption function setting (Except for CND)	0	0~2	SYS	0: Encryption invalid 1: Encryption valid (Security priority) Encrypts all of the user's data. 2: Encryption valid (Performance priority) Encrypts the user's data except the files temporarily created and deleted in the image processing such as copying or printing.	1	
08	Setting mode	System	User interface			9380		Converting 1-byte katakana into 2 byte-katakana at e-mail transmission	1	0~1	SYS	0: Non-conversion1: With conversion	1	
08	Setting mode	System	General			9381		Custom size (Photo size) Feeding / Widthwise	148/100	10~434/10~300	SYS	Feeding/Widthwise	10	
08	Setting mode	System	Image			9382		Erasing leading edge shade on A3-wide (full-page copying)	0	0~1	SYS	0: Whole page copied (No void) 1: Leading edge masked	1	
08	Setting mode	System	User interface	Default setting of filing format	E-mail	9384		Color/ACS	1	0~10	SYS	0: TIFF (Multi) 1: PDF (Multi) 2: JPG 3: TIFF (Single) 4: PDF (Single) 5: SLIM PDF (Multi) 6: SLIM PDF (Single) 7: XPS (Multi) 8: XPS (Single) 9: PDF/A(Multi) 10: PDF/A(Single)	1	Yes
08	Setting mode	System	Network	Notification of scan job		9386	0	When job completed	0	0~1	SYS	Sets the notification method of scan job completion. 0: Invalid 1: Valid	4	
08	Setting mode	System	Network	Notification of scan job		9386	1	On error	0	0~1	SYS	Sets the notification method of scan job completion. 0: Invalid 1: Valid	4	
08	Setting mode	System	Network			9387		File name format of "Save as file" and Email transmission	0	0~6	SYS	Sets the file naming method for "Save as file" and Email transmission. 0: [FileName]-[Data]-[Page] 1: [FileName]-[Page]-[Data] 2: [Data]-[FileName]-[Page] 3: [Data]-[Page]-[File-Name] 4: [Page]-[FileName]-[Data] 5: [Page]-[Data]-[File-Name] 6: [HostName]_[Data]-[Page]	1	
08	Setting mode	System	Network			9388		Date display format of the file name of "Save as file" and Email transmission	0	0~5	SYS	Sets the data display format of the file for "Save as file" and Email transmission. 0: [YYYY][MM][DD][HH][mm][SS] 1: [YY][MM][DD][HH][mm][SS] 2: [YYYY][MM][DD] 3: [YY][MM][DD] 4: [HH][mm][SS] 5: [YYYY][MM][DD][HH][mm][SS][mm0] The order of [YY], [MM] and [DD] varies depending on the setting of the code 08-9102 (Data display format).	1	
08	Setting mode	System	Network			9389		Single page data saving directory at "Save as file"	0	0~1	SYS	Sets the directory where the file of "Save as file" is saved. 0: Save it under a subfolder 1: Save it without creating a subfolder	1	
08	Setting mode	System	Network			9390		Page number display format of the file of "Save as file" and Email transmission	4	3~6	SYS	Sets the digit of a page number attached on the file. 3-6: 3-6 digits	1	
08	Setting mode	System	Network			9391		Extension (suffix) format of the file of "Save as file"	3	3~6	SYS	Sets the extension digits of the file to be saved. 3: Auto 4: 4 digits 5: 5 digits 6: 6 digits	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9394		Single-page option for storing File and sending Email	0	0~1	SYS	0: Sets 1 page as 1 file1: Makes a file based on the original	1	
08	Setting mode	System	Network			9397		Execution of user authentication when the user ID is not entered	2	0~2	SYS	0: Forcible execution1: Execution impossible (pooled in the invalid queue)2: Forcible deletion	1	
08	Setting mode	System	User interface	Card reading device	LDAP authentication	9398		LDAP attribute name settings 1	eBMUserCard		SYS	Maximum 32 characters	11	
08	Setting mode	System	Network			9399		Role Based Access LDAP search index	0	0~4294967295	SYS	This code is used to specify the ID for the LDAP server to implement Role-Based Access Control.	5	
08	Setting mode	System	Network			9403		Communication speed and settings of Ethernet	1	1~7	-	1: Auto 2: 10MBPS Half Duplex 3: 10MBPS Full Duplex 4: 100MBPS Half Duplex 5: 100MBPS Full Duplex 6: Not used 7: 1000MBPS Full Duplex	12	
08	Setting mode	System	Network	Address		9406		Address Mode	2	1~3	NIC	1: Fixed IP address 2: Dynamic IP address 3: Dynamic IP address without Auto IP	12	
08	Setting mode	System	Network	Address		9408		IP address	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9409		Subnet mask	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9410		Gateway	Refer to contents	Refer to contents	NIC	<Default value> 0.0.0.0 <Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network			9411		Enable/disable setting of IPX/SPX	2	1~2	-	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9414		Enable/disable setting of AppleTalk	2	1~2	-	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9416		Availability of LDAP	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network	DNS		9417		Availability of DNS	1	1~2	NIC	1: Available 2: Not available	12	Yes
08	Setting mode	System	Network	Address		9418		IP address to DNS server (Primary)		Refer to contents	NIC	<Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network	Address		9419		IP address to DNS server (Secondary)		Refer to contents	NIC	<Acceptable value> 0.0.0.0-255.255.255.255	12	Yes
08	Setting mode	System	Network			9421		Availability of SLP	1	1~2	NIC	Sets the availability of SLP on NetWare. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9426		Availability of Bindery	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9427		Availability of NDS	1	1~2	NIC	1: Available 2: Not available	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9430		Availability of HTTP server	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9437		Availability of SMTP client	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9440		Availability of SMTP server	1	1~2	UTY	1: Available 2: Not available	12	
08	Setting mode	System	Network			9446		Availability of POP3 clients	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9459		Availability of FTP server	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9463		MIB function	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9473		Availability of Raw/TCP	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9475		Availability of LPD client	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9478		Availability of IPP	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9481		IPP printer name	MFPserial		NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9486		IPP printer "Make and Model"	Refer to contents		NIC	Maximum 127 letters <Default value> mfp model name	12	
08	Setting mode	System	Network			9487		IPP printer information (more) MFGR			NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9488		IPP message from operator			NIC	Maximum 127 letters	12	
08	Setting mode	System	Network			9489		Availability of FTP print	1	1~2	NIC	1: Available 2: Not available	12	
08	Setting mode	System	Network			9499		Page number limitation for printing text of received Email	5	1~99	SYS		1	
08	Setting mode	System	Network			9505		Bonjour setting	1	1~2	NIC	1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9515		Windows domain No.1 of user authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			9516		PDC (Primary Domain Controller) name No.1 of authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network			9517		BDC (Backup Domain Controller) name No.1 of authentication			UTY	Maximum 128 letters	12	
08	Setting mode	System	Network	Address		9525		Display of MAC address			-	(**.*.*.*.*.*.*) The address is displayed as above. 6-byte data is divided by colon.	2	Yes
08	Setting mode	System	Network			9548		SSL setting SSL ftp server OFF/ON	2	1~2	-	1: Enabled 2: Disabled	12	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9550		SSL setting IPP server OFF/ON setting	2	1~2	-	1: Enabled 2: Disabled	12	
08	Setting mode	System	Network			9552		SSL setting SSL ftp server OFF/ON	2	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9556		SSL setting SSL POP3 Client OFF/ON	2	1~3	-	OFF/ON 1: Valid (Accepts all the certification of the server) 2: Invalid 3: Use the imported certification.	12	
08	Setting mode	System	Network	SMB		9561		SMB Max Connections	13	1~50	NIC	Sets the maximum connectable numbers of the Samba server. 1 to 50 (Number)	12	
08	Setting mode	System	Network			9563		IP Conflict Detect	1	1~2	-	OFF/ON 1: Valid 2: Invalid	12	
08	Setting mode	System	Network			9564		SNTP Enable	2	1~2	SSDK	OFF/ON1: Valid2: Invalid	1	
08	Setting mode	System	Network	SNTP Polling rate	SNTP Polling rate	9565		SNTP Polling rate	24	1~168	SSDK	Data obtaining interval (Unit: Hour)	1	
08	Setting mode	System	Network	Primary SNTP Address	Primary SNTP Address	9567		Primary SNTP Address			SSDK	SNTP server IP Address (Primary)	12	
08	Setting mode	System	Network	Secondary SNTP Address	Secondary SNTP Address	9568		Secondary SNTP Address			SSDK	SNTP server IP Address (Secondary)	12	
08	Setting mode	System	Network	Port number to SNTP	Port number to SNTP	9569		Port number to SNTP	123	1~65535	SSDK		1	
08	Setting mode	System	Network			9580		Enabling server's IP address acquired by DHCP	1	1~2	-	Domain Name Server option (6) 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network			9581		Enabling server's IP address acquired by DHCP	1	1~2	-	NetBIOS over TCP/IP Name Server option (44) = Primary and Secondary Wins NAME 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network	Enabling server's IP address acquired by DHCP		9584		SMTP Server Option (69) Simple Mail Server Address	2	1~2	-	OFF/ON 1: Valid 2: Invalid This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network	Enabling server's IP address acquired by DHCP		9585		POP3 Server Option (70) Post Office Server Address	2	1~2	-	OFF/ON 1: Valid 2: Invalid This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network			9587		Enabling server's IP address acquired by DHCP	2	1~2	-	SNTP Server Option (42) NTP Server Address 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	Network			9599		Samba server ON/OFF setting	1	1~4	NIC	1: Samba enabled 2: Samba disabled 3: Print Share disabled 4: File Share disabled	12	
08	Setting mode	System	Maintenance	General		9601		Equipment number (serial number) display			SYS	First digit: Production country/region (fixed) Second digit: Model (fixed) Third digit: Month (variable) Fourth to ninth digit: serial number (variable) This can be also entered with 05-9043.	11	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance			9602		Dealer's name			SYS	Maximum 100 letters Needed at initial registration	11	
08	Setting mode	System	Maintenance	Remote-controlled service	General	9603		Login name		20 letters	SYS	Maximum 20 letters Needed at initial registration	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Call /Display function	9604		Display set of [Service Notification] button	Refer to contents	0~1	SYS	0: Disabled 1: Enabled <Default value> NAD/NAC/MJD/MJC: 1 Others: 0	1	Yes
08	Setting mode	System	Maintenance (Remote)			9605		Sending error contents of equipment	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance (Remote)			9606		Setting total counter transmission interval (Hour/Hour/Minute/Minute)			SYS		1	
08	Setting mode	System	Maintenance (Remote)			9607		Destination E-mail address 2			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance (Remote)			9608		Destination E-mail address 3			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance	Remote-controlled service		9610		Polling day selection Day-1	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote-controlled service		9611		Polling day selection Day-2	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote-controlled service		9612		Polling day selection Day-3	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote-controlled service		9613		Polling day selection Day-4	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9614		Sunday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9615		Monday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9616		Tuesday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9617		Wednesday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9618		Thursday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9619		Friday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Remote-controlled service polling day	9620		Saturday	1	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Maintenance			9621		Information of supplies setting of toner cartridge C	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9622		Information of supplies setting of toner cartridge M	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9623		Information of supplies setting of toner cartridge Y	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance			9624		Information of supplies setting of toner cartridge K	0	0~1	SYS	0: Invalid 1: Valid	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance			9625		Information of supplies setting of toner bag	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance	Remote-controlled service	Long interval polling	9626		End of month	0	0~1	SYS	0: Invalid 1: Valid	1	Yes
08	Setting mode	System	Network			9627		Sending mail text of Internet FAX	1	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Network			9628		From Name Creation setting in SMTP authentication	0	0~2	SYS	0: Not edited 1: Account name of From Address +Device name 2: LDAP searching	1	
08	Setting mode	System	Wireless LAN			9649		Wireless LAN setting	2	1~2	NIC	This setting is whether the wireless LAN connection is enabled or disabled. 1: Enabled 2: Disabled	12	
08	Setting mode	System	Bluetooth			9680		Bluetooth ON/OFF setting	1	0~1	SYS	0: OFF 1: ON	1	
08	Setting mode	System	Bluetooth			9681		Bluetooth Device name	Refer to contents		SYS	Maximum 32 letters. Only alphanumeric characters, spaces, and symbols are acceptable. <Default value> MFPserial	11	
08	Setting mode	System	Bluetooth			9682		Bluetooth Discovery	1	0~1	SYS	0: Not allowed 1: Allowed	1	
08	Setting mode	System	Bluetooth			9683		Bluetooth Security	1	0~1	SYS	0: Security function OFF 1: Security function ON	1	
08	Setting mode	System	Bluetooth			9684		Bluetooth PIN	0000		SYS	Maximum 8 digits(8-digit sequence) This setting is valid only when the Bluetooth security function is ON.	11	
08	Setting mode	System	Bluetooth			9685		Bluetooth Data encryption	1	0~1	SYS	0: Not encrypted 1: Encrypted This setting is valid only when the Bluetooth security function is ON.	1	
08	Setting mode	System	Network			9694		Enabling server's IP address acquired by DHCP	1	1~2	-	DNS domain name Option (15) DNS domain name of the client 1: Enabled 2: Disabled This value is used only when DHCP is enabled.	12	
08	Setting mode	System	User interface			9698		Color mode notification setting at ACS	0	0~1	SYS	0: Color 1: Black	1	
08	Setting mode	System	Maintenance	General		9700		Service technician telephone number	0	32 digits	SYS	A telephone number can be entered up to 32 digits. Use the [MONITOR/PAUSE] button to enter a hyphen(-).	11	Yes
08	Setting mode	System	User interface			9702		Automatic calibration disclosure level	1	0~2	SYS	Sets the disclosing level of automatic calibration. 0: Service technician 1: Administrator 2: User	1	
08	Setting mode	System	Maintenance	General		9703		Error history display			SYS	Displays the latest 20 errors data.	2	Yes
08	Setting mode	System	Network			9709		Default data saving directory of "Scan to File"	0	0~2	SYS	0: Local directory 1: REMOTE 1 2: REMOTE 2	1	
08	Setting mode	System	Maintenance	Remote-controlled service	General	9710		Remote-controlled service function	2	0~2	SYS	0: Valid (Remote-controlled server) 1: Valid (L2) 2: Invalid	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9711		Remote-controlled service URL setting			SYS	Maximum 256 letters	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9715		Initially-registered server URL setting	Refer to contents		SYS	Maximum 256 letters <Default value> https://device.mfp-support.com:443/device/firstregist.ashx	11	Yes
08	Setting mode	System	Maintenance	Short time interval of emergency mode		9718		Recovery time setting	24	1~48	SYS	Sets the time interval to recover from the emergency mode to the normal mode. (Unit: Hour)	1	Yes
08	Setting mode	System	Maintenance	Short time interval of emergency mode		9719		Interval setting	60	30~360	SYS	(Unit: Minute)	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	General	9723		Periodical polling timing	1700	0~2359	SYS	(Hour/Hour/Minute/Minute) 0 (0:00) to 2359 (23:59)	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	General	9724		Writing data of self-diagnostic code	0	0~1	SYS	0: Prohibited 1: Accepted	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	General	9726		Remote-service initial registration	0	0~3	SYS	0: OFF 1: Start 2: Only certification is scanned 3: RDMS communication starts	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	General	9727		Remote-controlled service tentative password		10 letters	SYS	Maximum 10 letters	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	General	9729		Status of remote-service initial registration	0	0~1	SYS	0: Not registered 1: Registered	2	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	Call /Display function	9730		Service center call function	1	0~2	SYS	0: OFF 1: Notifies all service calls 2: Notifies all but paper jams	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9732		Service center call HTTP server URL setting			SYS	Maximum 256 letters	11	Yes
08	Setting mode	System	Counter			9736		Validity of interrupt copying when external counters are installed	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance	Remote-controlled service	Call /Display function	9739		Toner-end notification	0	0~2	SYS	0: RDMS toner empty notified immediately 1: RDMS toner empty notified once a day 2: RDMS toner empty not notified	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9740		HTTP proxy setting	1	0~1	SYS	0: Valid 1: Invalid	1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9741		HTTP proxy IP address setting	Refer to contents		SYS	Input IP address or FQDN. <Default value> 0.0.0.0	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9742		HTTP proxy port number setting	0	0~65535	SYS		1	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9743		HTTP proxy ID setting			SYS	Maximum 30 letters	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9744		HTTP proxy password setting			SYS	Maximum 30 letters	11	Yes
08	Setting mode	System	Maintenance	Remote-controlled service	HTTP	9745		HTTP proxy panel display	1	0~1	SYS	0: Valid 1: Invalid	1	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Network			9746		802.1X/Dynamic WEP selecting button display	1	0-1	SYS	Switches whether a selecting button for Security mode 802.1X/Dynamic WEP is displayed or not. 0: Not displayed 1: Displayed	1	
08	Setting mode	System	Network			9749		WIA Scan Driver	1	1-2	NIC	Selects WIA Scan Driver. 1: TTEC 2: Microsoft	12	
08	Setting mode	System	Maintenance (Remote)			9750		Automatic ordering function of supplies	3	0-3	SYS	0: Ordered by FAX 1: Ordered by E-mail 2: Ordered by HTTP 3: OFF	1	
08	Setting mode	System	Maintenance (Remote)			9751		Automatic ordering function of supplies FAX number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9752		Automatic ordering function of supplies E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9756		Automatic ordering function of supplies User's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9757		Automatic ordering function of supplies User's telephone number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9758		Automatic ordering function of supplies User's E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9759		Automatic ordering function of supplies User's address			SYS	Maximum 100 letters	11	
08	Setting mode	System	Maintenance (Remote)			9760		Automatic ordering function of supplies Service number			SYS	Maximum 5 digits	11	
08	Setting mode	System	Maintenance (Remote)			9761		Automatic ordering function of supplies Service technician's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9762		Automatic ordering function of supplies Service technician's telephone number			SYS	Maximum 32 digits Enter hyphen with the [Monitor/Pause] button	11	
08	Setting mode	System	Maintenance (Remote)			9763		Automatic ordering function of supplies Service technician's E-mail address			SYS	Maximum 192 letters List: 256 digits	11	
08	Setting mode	System	Maintenance (Remote)			9764		Automatic ordering function of supplies Supplier's name			SYS	Maximum 50 letters	11	
08	Setting mode	System	Maintenance (Remote)			9765		Automatic ordering function of supplies Supplier's address			SYS	Maximum 100 letters	11	
08	Setting mode	System	Maintenance (Remote)			9766		Automatic ordering function of supplies Notes			SYS	Maximum 128 letters	11	
08	Setting mode	System	Maintenance (Remote)			9767		Information about supplies Part number of toner cartridge C			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9768		Information about supplies Order quantity of toner cartridge C	1	1-99	SYS		1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance (Remote)			9769		Information about supplies Condition number of toner cartridge C	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9770		Information about supplies Part number of toner cartridge M			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9771		Information about supplies Order quantity of toner cartridge M	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9772		Information about supplies Condition number of toner cartridge M	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9773		Information about supplies Part number of toner cartridge Y			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9774		Information about supplies Order quantity of toner cartridge Y	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9775		Information about supplies Condition number of toner cartridge Y	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9776		Information about supplies Part number of toner cartridge K			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9777		Information about supplies Order quantity of toner cartridge K	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9778		Information about supplies Condition number of toner cartridge K	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9779		Information about supplies Part number of toner bag			SYS	Maximum 20 digits	11	
08	Setting mode	System	Maintenance (Remote)			9780		Information about supplies Order quantity of toner bag	1	1~99	SYS		1	
08	Setting mode	System	Maintenance (Remote)			9781		Information about supplies Condition number of toner bag	1	1~99	SYS		1	
08	Setting mode	System	Maintenance	Remote-controlled service	Call /Display function	9783		Automatic supply ordering display	Refer to contents	0~2	SYS	0: Valid (FAX/Internet FAX) 1: Valid (FAX/Internet FAX/HTTP) 2: Invalid <Default value> NAD/NAC: 0 Others: 2	1	Yes
08	Setting mode	System	Maintenance (Remote)			9784		Counter notification Remote FAX setting			SYS	Maximum 32 digits Enter a hyphen with the [MONITOR/PAUSE] button.	11	
08	Setting mode	System	General			9787		Suspend when quota is empty	0	0~1	SYS	Sets whether the process is suspended immediately or suspended after the job is completed if quota is used up. 0: Suspended immediately 1: Suspended after the job is finished	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Maintenance			9788		Service call checking period setting	6	0~12	SYS	0: No checking period specified (= Calls service technician immediately) 1: 10 minutes 2: 30 minutes 3: 1 hour 4: 6 hours 5: 12 hours 6: 24 hours 7: 48 hours 8: 7 days 9: 1 month 10: 1 year 11: 5 years 12: Not limited (= Calls service technician if such error has occurred in the past even once or more)	1	
08	Setting mode	System	General			9789		Default repeat count	2	2~8	SYS	Unit: times	1	
08	Setting mode	System	Maintenance (Remote)			9793		Service Notification setting	0	0~2	SYS	Enables to set up to 3 E-mail addresses to be sent.(08-9794, 9607, 9608) 0: Invalid 1: Valid (E-mail) 2: Valid (FAX)	1	
08	Setting mode	System	Maintenance (Remote)			9794		Destination E-mail address 1			SYS	Maximum 192 letters	11	
08	Setting mode	System	Maintenance (Remote)			9795		Total counter information transmission setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Maintenance (Remote)			9796		Total counter transmission date setting	0	0~31	SYS	0: OFF 1 to 31: 1st to 31st of a month	1	
08	Setting mode	System	Maintenance (Remote)			9797		PM counter notification setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	Network			9798		Temporary communication password setting	99999		SYS	Sets a temporary communication password. The password can be entered in alphanumeric characters (A to Z, a to z, 0 to 9) up to 10 digits. The entered password is displayed with "*" on the touch panel and the self-diagnostic lists. (Maximum 10 digits, minimum 5 digits)	11	
08	Setting mode	System	General			9799		Local authentication mode switchover	0	0~1	SYS	Sets the authentication mode when "0: (Internal authentication)" is selected in the code 08-9293. 0: Card ID differs from the User ID 1: Card ID is the same as the User ID	1	
08	Setting mode	System	Process			9804		Forcible mode change in toner empty status	1	0~2	SYS	0: SLEEP MODE 1: AUTO POWER SAVE 2: READY	1	
08	Setting mode	System	Laser			9805		Polygonal motor standby rotation Shift waiting time at job end	6	0~24	SYS	0: 0 sec. (Polygonal motor ready rotation at job end) 1 to 24: Setting value x 5 sec.	1	
08	Setting mode	System	Finisher	Interruption of stapling operation (no staple)		9810	0	Copying	1	0~1	SYS	When staple runs out while printing in the stapling mode, sets whether printing is interrupted or printing is continued by switching to sorting. This code is valid only when printing in the stapling mode. However, printing is always interrupted when staple for saddle stitch runs out. 0: Continues printing by switching to sort setting 1: Interrupts printing	4	
08	Setting mode	System	Finisher	Interruption of stapling operation (no staple)		9810	1	Printing / BOX printing	0	0~1	SYS	When staple runs out while printing in the stapling mode, sets whether printing is interrupted or printing is continued by switching to sorting. This code is valid only when printing in the stapling mode. However, printing is always interrupted when staple for saddle stitch runs out. 0: Continues printing by switching to sort setting 1: Interrupts printing	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	0	Plain/Recycled	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	1	Thick1	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	2	Thick2	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	Finisher	Stapling setting Maximum number of sheets acceptable exceeding upper limit / Long size		9811	3	Thick3	0	-50~50	SYS	-50 to 50	4	
08	Setting mode	System	General	Number of output pages for pausing continuous printing for 2nd transfer resistance detection control		9814		At normal temperature	4	0~100	SYS	When the setting value of this code is "1" or higher, the 2nd transfer resistance detection is performed every time the number of pages of (setting value x 100) have output.	1	
08	Setting mode	System	General	Number of output pages for pausing continuous printing for 2nd transfer resistance detection control		9815		At low temperature	10	0~100	SYS	When the setting value of this code is "1" or higher, the 2nd transfer resistance detection is performed every time the number of pages of (setting value x 10) have output.	1	
08	Setting mode	System	General			9816		Addition of the page number to the multi-page file name of File	0	0~1	SYS	Only when job is executed with TimeStamp enabled for file storage, page number is added with the format set at 08-9387. 0: Invalid (Page number not added) 1: Valid (Page number added)	1	
08	Setting mode	System	General			9817		Maximum number of decimals in the extension fields	2	0~6	SYS	0 to 6 digits	1	
08	Setting mode	System	General			9818		The default value of the stored/attached file name of a File/Email	0	0~1	SYS	0: DOCYYMMDD 1: NetBios name	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9819		STAGE SSL	0	0~1	SYS	Sets whether SSL communication is enabled or disabled for remote scanning. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Off Device Customization Architecture		9820		STAGE I/F	1	0~1	SYS	Sets whether interface is enabled or disabled for remote scanning. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9821		Port number	49629	0~65535	SYS	Sets a port number for the remote scanning.	1	
08	Setting mode	System	User interface	Off Device Customization Architecture		9822		SSL port number	49630	0~65535	SYS	Sets an SSL port number for remote scanning using SSL communication.	1	
08	Setting mode	System	Network			9823		User name and password at user authentication or "Save as file"	0	0~2	SYS	0: User name and password of the device 1: User name and password at the user authentication (Template registration information comes first when a template is retrieved.) 2: User name and password at the user authentication (User information of the authentication comes first when a template is retrieved.)	1	
08	Setting mode	System	Image			9825		Image quality of the black part in the ACS mode	0	0~1	SYS	0: Black 1: Gray scale	1	
08	Setting mode	System	General			9829		Department management limitation setting	0	0~3	SYS	Decide the default limitation setting when the new department code is created. 0: No limit 1: Limited only in the black mode 2: Limited in the color mode 3: Limited in the black/color mode	1	
08	Setting mode	System	Bluetooth			9841		Bluetooth BIP Print type	0	0~3	SYS	0: Fit page 1: 1/2 size 2: 1/4 size 3: 1/8 size	1	
08	Setting mode	System	Bluetooth			9846		Bluetooth BIP Paper size	Refer to contents	0~13	SYS	0: Ledger 1: Legal 2: Letter 3: Computer 4: Statement 5: A3 6: A4 7: A5 9: B4 10: B5 11: Folio 12: Legal13" 13: LetterSquare <Default value> NAD/NAC: 2 Others: 6	1	
08	Setting mode	System	Finisher			9847		Hole punching setting	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	General			9848		Registration disclosure level setting	1	0~2	SYS	0: Displays no icons 1: ADMIN 2: USER	1	
08	Setting mode	System	General			9880		Total counter data transmission date 2	0	0~31	SYS	0 to 31	1	
08	Setting mode	System	General			9881		Day of the total counter data transmission	0	0~127	SYS	1 byte 00000000(0)-01111111(127) From the 2nd bit - Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday	1	
08	Setting mode	System	General			9883		Hardcopy security printing	0	0~1	SYS	0: Disable 1: Enable	1	
08	Setting mode	System	General			9884		Hardcopy security printing / Counting method switchover	0	0~1	SYS	0: Counted as 1 1: Counted as 2	1	
08	Setting mode	System	General			9886		Decimal point indication for Enhanced Scan Template	Refer to contents	0~1	SYS	0: Comma 1: Full stop <Default value> MJD/MJC: 0 Others: 1	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General			9888		Permission setting for changing the scan parameter when recalling an extension	0	0~1	SYS	0: Prohibited 1: Accepted	1	
08	Setting mode	System	General	Data cloning		9889		Status display for USB cloning	0	0~1	SYS	0: Accepted 1: Prohibited	2	Yes
08	Setting mode	System	User interface	Display setting		9891		Warning message when PM time has come	1	0~1	SYS	0: No warning notification 1: Warning notification	1	Yes
08	Setting mode	System	General			9892		Monocolor counting method	0	0~2	SYS	Sets the counting method of fee charging or duplexing count in the Monocolor mode. Department and user counters are not applicable. 0: Mono/Twin Color 1: Black 2: Full Color	1	
08	Setting mode	System	General			9894		Calibration chart charging method	0	0~1	SYS	Decides whether the calibration chart printing is charged or not 0: No charge 1: Charge	1	
08	Setting mode	System	Image			9897		Default value setting of background peak adjustment (Black)	5	1~9	SYS	1: -4 2: -3 3: -2 4: -1 5: 0 6: +1 7: +2 8: +3 9: +4	1	
08	Setting mode	System	Image			9898		Default value setting of density in the scan mode (Color)	6	0~11	SYS	0: Auto 1: -5 2: -4 3: -3 4: -2 5: -1 6: 0 7: +1 8: +2 9: +3 10: +4 11: +5	1	
08	Setting mode	System	Image			9899		Default value setting of density in the scan mode (Gray)	6	0~11	SYS	0: Auto 1: -5 2: -4 3: -3 4: -2 5: -1 6: 0 7: +1 8: +2 9: +3 10: +4 11: +5	1	
08	Setting mode	System	Version	System		9900		System software version			-	T340SY0WXXXX	2	Yes
08	Setting mode	System	Version	Engine		9901		Engine ROM version			-	340M-XXX	2	Yes
08	Setting mode	System	Version	Engine		9902		Scanner ROM version			-	130S-XXX	2	Yes
08	Setting mode	System	Version	Engine		9903		RADF ROM version			-	DF-XXXX	2	Yes
08	Setting mode	System	Version	Finisher		9904		Finisher ROM version			-	SDL-XXX FIN-XXX	2	Yes
08	Setting mode	System	Version	FAX		9905		Fax board ROM version			-	F670-XXX	2	Yes
08	Setting mode	System	Version	System		9930		System software OS version			-	T340SF0WXXXX	2	Yes
08	Setting mode	System	Network			9933		Domain participation confirmation of printing when LDAP authentication is used	1	0~1	SSDK	Sets whether domain participation of a client computer for print job authentication is confirmed or not when LDAP is selected as the authentication method for user authentication. This function is enabled only when department management is enabled. 0: Disabled 1: Enabled	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	General	S-ACS operation setting		9934	0	Copy	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	General	S-ACS operation setting		9934	1	Print	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	General	S-ACS operation setting		9934	2	Box, Others	1	1~9	SYS	1: The number of contact control: 1 Continuous color control: 1 sheet 2: The number of contact control: 2 Continuous color control: 2 sheets 3: The number of contact control: 3 Continuous color control: 3 sheets 4: The number of contact control: 4 Continuous color control: 4 sheets 5: The number of contact control: 5 Continuous color control: 5 sheets 6: The number of contact control: 6 Continuous color control: 6 sheets 7: The number of contact control: 7 Continuous color control: 7 sheets 8: The number of contact control: 8 Continuous color control: 8 sheets 9: The number of contact control: 9 Continuous color control: 9 sheets	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	0	Plain/Recycled	0	-100~100	SYS	-100 to 100	4	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	1	Thick1	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	2	Thick2	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling setting Acceptable number of sheets exceeding upper limit / Short size		9937	3	Thick3	0	-100~100	SYS	-100 to 100	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	0	Plain/Recycled	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	1	Thick1	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	2	Thick2	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Finisher	Stapling Acceptable number of sheets exceeding upper limit / Saddle stitch		9938	3	Thick3	0	-15~15	SYS	-15 to 15	4	
08	Setting mode	System	Version	Engine		9940		PFC ROM version			-	340F-XXX	2	Yes
08	Setting mode	System	Version	Finisher		9944		Finisher punch ROM version			-	PUN-XXX	2	Yes
08	Setting mode	System	Network	Email		9946		Number of Email transmission retries	3	0~14	SYS	0 to 14 times	1	Yes
08	Setting mode	System	Network	Email		9947		E-mail transmission retry interval	1	0~15	SYS	0 to 15 min.	1	Yes
08	Setting mode	System	Option	EFI		9950		Printer Board settings confirmation	0	0~1	SYS	Confirms whether the default settings of the EFI printer board are made or not. If 08-9951 is executed, the value becomes "1", and if 08-9952 is executed, the value becomes "0". 0: Not initialized 1: Initialization completed	2	Yes

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	Option	EFI		9951		Default settings of the Printer Board			-	When connecting the EFI printer board, makes the default settings for the printer board.	3	Yes
08	Setting mode	System	Option	EFI		9952		Printer board restoring setting			-	When disconnecting the EFI printer board, restores the default settings for equipment without EFI printer board.	3	Yes
08	Setting mode	System	General			9954		Counter / job list printing operation	0	0~1	SYS	0: Invalid 1: Valid	1	
08	Setting mode	System	User interface			9955		Name of [EXTENSION] button	EXTENSION		SYS	Sets the name of "EXTENSION" button displayed on the MENU screen. Maximum 10 characters with alphameric characters and symbols.	11	
08	Setting mode	System	Network			9958		Bcc address display ON/OFF setting (Job Log / Job Status)	0	0~1	SYS	Sets whether the Bcc address is displayed or not on the Job Log or Job Status when "1: To/Bcc" is selected in the code 08-9957. 0: OFF (Bcc address not displayed) 1: ON (Bcc address displayed)	1	
08	Setting mode	System	Network			9959		Bcc address display ON/OFF setting (Job Notification)	1	0~1	SYS	Sets whether the Bcc address is displayed or not on all the Job Notifications except for the administrator when "1: To/Bcc" is selected in the code 08-9957. 0: OFF (Bcc address not displayed) 1: ON (Bcc address displayed)	1	
08	Setting mode	System	Maintenance			9960		Display of equipment information (SRAM)	Refer to contents	0~2	SYS	Displays the equipment information in SRAM. 0: Not set 1: Destinations other than NAD/NAC 2: NAD/NAC <Default value> NAD/NAC: 2 Others: 1	2	
08	Setting mode	System	User interface			9963		Display of receiving job on PRINT/JOB STATUS screen	2	0~2	SYS	0: Disabled 1: Enabled (Other user's receiving job can be deleted) 2: Enabled (Other user's receiving job cannot be deleted) * This setting is automatically disabled in the high security mode.	1	
08	Setting mode	System	Laser			9967		Polygonal motor pre-running setting (at user authentication)	Refer to contents	0~1	SYS	Enable this setting to shorten the time to start printing at user authentication. 0: Disabled 1: Enabled <Default value> JPC: 1 Others: 0	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9970		Original mode (Black)	0	0~4	SYS	0: Text/Photo 1: Text 2: Photo 3: Gray Scale 4: User custom mode	1	Yes
08	Setting mode	System	General			9971		Image quality density adjustment at power-ON Default setting	0	0~1	SYS	0: Auto 1: Manual	1	
08	Setting mode	System	User interface	Blank page judgment Default setting	PPC	9972		Blank page judgment Default setting	0	-3~3	SYS	The larger the value, the more the paper is judged as a blank page. The smaller the value, the less the paper is judged as a blank page.	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface	Blank page judgment Default setting	NW SCN	9973		Blank page judgment Default setting	0	-3~3	SYS	The larger the value, the more the paper is judged as a blank page. The smaller the value, the less the paper is judged as a blank page.	1	
08	Setting mode	System	User interface	ACS judgment adjustment Default setting	PPC	9974		ACS judgment adjustment Default setting	0	-3~3	SYS	The larger the value, the more the original is judged as color data. The smaller the value, the less the original is judged as black data.	1	
08	Setting mode	System	User interface	ACS judgment adjustment Default setting	NW SCN	9975		ACS judgment adjustment Default setting	0	-3~3	SYS	The larger the value, the more the original is judged as color data. The smaller the value, the less the original is judged as black data.	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9976		Original mode (Color)	0	0~5	SYS	0: Text/Photo 1: Text 2: Printed image 3: Photo 4: Map 5: Custom	1	Yes
08	Setting mode	System	General			9977		ACS original mode Default setting	0	0~2	SYS	0: Text/Photo 1: Text 2: Printed image	1	
08	Setting mode	System	General			9978		Default setting of Density mode at power-ON (ACS / full color / PPC)	1	0~1	SYS	0: Automatic 1: Manual (Center)	1	
08	Setting mode	System	User interface	Default mode setting	Default setting (PPC)	9979		Color mode	2	0~2	SYS	0: Auto color 1: Black 2: Full color When the value of the code 08-9116 is "1: Enabled", "1: Black" is automatically set for this code and "0: ACS" and "2: Full color" become unselectable.	1	Yes
08	Setting mode	System	Network			9980		Address setting for TO/CC/BCC at authentication	0	0~4	SYS	Sets address of TO/CC/BCC when the user authentication and E-mail authentication are enabled. When the value of this code is set to "1", the address specified as From Address is input to TO destination field. TO/CC/BCC field cannot be edited. When the value of this code is set to "2 to 4", the address specified as From Address is input to each field. TO/CC/BCC field can be edited by pressing the TO/CC/BCC button. 0: Disabled 1: Fixed to TO field. 2: Added to TO field. 3: Added to CC field. 4: Added to BCC field.	1	
08	Setting mode	System	Network			9981		Sending body text of email	1	0~1	SYS	Sets whether the job information is output in the body of e-mail when executing e-mail send job. 0: Disabled 1: Enabled	1	
08	Setting mode	System	User interface			9982		Switch of display attribute of [EXTENSION] icon	0	0~1	SYS	0: Touch is invalid when authentication is not completed. 1: Touch is valid when authentication is not completed.	1	
08	Setting mode	System	User interface			9984		Document or file name display form for the PRINT screen, JOB STATUS screen, Job Status tab and Logs tab	0	0~1	SYS	0: Displays with the document or file name 1: Does not display the document or file name	1	

05/08	Mode	Element	Sub Element	Item	Subitem	Code	Sub-Code	Details	Default value	Acceptable value	RAM	Contents	Procedure	ServiceUI
08	Setting mode	System	User interface			9985		Screen displayed by pressing MENU button	0	0~1	SYS	0: MENU screen 1: EWB screen	1	
08	Setting mode	System	FAX			9987		Retention of fax sending settings	0	0~3	SYS	Sets whether the fax sending settings are retained or not. 0: Clears all settings (The authentication screen is displayed if user authentication or department management is enabled.) 1: Clears all 2: Clears only addresses 3: Retains all settings * When the value of this code is set to "3", the value of 08-3847 (FAX mistransmission prevention) is automatically set to "1" (Enabled).	1	

MAINTENANCE CHECK LIST
e-STUDIO5540C/6540C/6550C

MAINTENANCE CHECK LIST /
 LISTE DE VERIFICATION D'ENTRETIEN /
 LISTE DER WARTUNGSPRÜFUNG /
 LISTA DE CONTROL DE MANTENIMIENTO

e-STUDIO5540C/6540C/6550C

REPLACEMENT PARTS AND SUPPLIES	REPLACEMENT UNIT	COUNTER	TECHNICIAN	DATE
1.CLEANER/DRUM/CHARGER (K)	1.CLEANER/DRUM/CHARGER (K)			
2.CLEANER/DRUM/CHARGER (Y)	2.CLEANER/DRUM/CHARGER (Y)			
3.CLEANER/DRUM/CHARGER (M)	3.CLEANER/DRUM/CHARGER (M)			
4.CLEANER/DRUM/CHARGER (C)	4.CLEANER/DRUM/CHARGER (C)			
5.TRANSFER BELT CLEANER	5.TRANSFER BELT CLEANER			
6.2nd TRANSFER (1)	6.2nd TRANSFER (1)			
7.2nd TRANSFER (2)	7.2nd TRANSFER (2)			
1.PICK UP ROLLER(1st CST.)	1.PICK UP ROLLER(1st CST.)			
2.FEED ROLLER(1st CST.)	2.FEED ROLLER(1st CST.)			
3.SEP ROLLER(1st CST.)	3.SEP ROLLER(1st CST.)			
4.PICK UP ROLLER(2nd CST.)	4.PICK UP ROLLER(2nd CST.)			
5.FEED ROLLER(2nd CST.)	5.FEED ROLLER(2nd CST.)			
6.SEP ROLLER(2nd CST.)	6.SEP ROLLER(2nd CST.)			
7.PICK UP ROLLER(3rd CST.)	7.PICK UP ROLLER(3rd CST.)			
8.FEED ROLLER(3rd CST.)	8.FEED ROLLER(3rd CST.)			
9.SEP ROLLER(3rd CST.)	9.SEP ROLLER(3rd CST.)			
10.PICK UP ROLLER(4th CST.)	10.PICK UP ROLLER(4th CST.)			
11.FEED ROLLER(4th CST.)	11.FEED ROLLER(4th CST.)			
12.SEP ROLLER(4th CST.)	12.SEP ROLLER(4th CST.)			
13.PICK UP ROLLER(SFB)	13.PICK UP ROLLER(SFB)			
14.FEED ROLLER(SFB)	14.FEED ROLLER(SFB)			
15.SEP ROLLER(SFB)	15.SEP ROLLER(SFB)			
16.PICK UP ROLLER(T-LCF)	16.PICK UP ROLLER(T-LCF)			
17.FEED ROLLER(T-LCF)	17.FEED ROLLER(T-LCF)			
18.SEP ROLLER(T-LCF)	18.SEP ROLLER(T-LCF)			
19.PICK UP ROLLER(O-LCF)	19.PICK UP ROLLER(O-LCF)			
20.FEED ROLLER(O-LCF)	20.FEED ROLLER(O-LCF)			
21.SEP ROLLER(O-LCF)	21.SEP ROLLER(O-LCF)			
1.PICK UP ROLLER(RADF)	1.PICK UP ROLLER(RADF)			
2.FEED ROLLER(RADF)	2.FEED ROLLER(RADF)			
3.SEP ROLLER(RADF)	3.SEP ROLLER(RADF)			
5540C	5540C			
6540C	6540C			
6550C	6550C			
120k	250k			
240k	500k			
360k	750k			
480k	1000k			
600k	1250k			
720k	1500k			
840k	1750k			
960k	2000k			
1080k	2250k			
1200k	2500k			

CLEANING UNIT	REPLACEMENT PARTS AND SUPPLIES
1.BLACK DEVELOPER	1.DRUM (K)
2.YELLOW DEVELOPER	2.DRUM BLADE (K)
3.MAGENTA DEVELOPER	3.GRID (K)
4.CYAN DEVELOPER	4.MAIN CHARGER NEEDLE (K)
5.DRUM	5.CHARGER CLEANING PAD (K)
6.CLEANER	6.DRUM (Y)
7.CHARGER	7.DRUM BLADE (Y)
8.FUSER	8.GRID (Y)
9.FUSER	9.MAIN CHARGER NEEDLE (Y)
10.1st CST.	10.CHARGER CLEANING PAD (Y)
11.2nd CST.	11.DRUM (M)
12.3rd CST.	12.DRUM BLADE (M)
13.4th CST.	13.GRID (M)
14.SFB	14.MAIN CHARGER NEEDLE (M)
15.ADU	15.CHARGER CLEANING PAD (M)
16.T-LCF	16.DRUM (C)
17.O-LCF	17.DRUM BLADE (C)
18.GRID (C)	18.GRID (C)
19.MAIN CHARGER NEEDLE (C)	19.MAIN CHARGER NEEDLE (C)
20.CHARGER CLEANING PAD (C)	20.CHARGER CLEANING PAD (C)
21.OZONE FILTER 1	21.OZONE FILTER 1
22.TONER FILTER	22.TONER FILTER
23.OZONE FILTER 2	23.OZONE FILTER 2
24.VOC FILTER 1	24.VOC FILTER 1
25.VOC FILTER 2	25.VOC FILTER 2
26.BELT BLADE	26.BELT BLADE
27.CLEANING PAD	27.CLEANING PAD
28.2nd TRANSFER ROLLER	28.2nd TRANSFER ROLLER
29.2nd TRANSFER BLADE	29.2nd TRANSFER BLADE
30.2nd TRANSFER TONER BAG	30.2nd TRANSFER TONER BAG
31.2nd TRANSFER LUBRICANT UNIT	31.2nd TRANSFER LUBRICANT UNIT
1.FUSER ROLLER	1.FUSER ROLLER
2.FUSER BELT	2.FUSER BELT
3.FUSER BELT GUIDE	3.FUSER BELT GUIDE
4.PRESS ROLLER	4.PRESS ROLLER
5.PRESS ROLLER FINGER	5.PRESS ROLLER FINGER

REVISION RECORD

Ver. 12

Ver12 <2016.10.31>	
Page	Contents
Trademarks	The description for the trademarks has been updated.
3-40	The numbers for P-I have been corrected.
4-270	The description of "4.11.16 Separation roller (e-STUDIO5560C/6560C/6570C)" has been added.
5-34	The notes have been added.
5-47, 5-51	Print ration has been corrected
6-39	05-7283, 7284, 7236, and 7295 have been deleted from the "6.2.8 Setting range correction".
6-130	The description of "6.12.10 RADF Separation roller pressure force adjustment (e-STUDIO5560C/6560C/6570C)" has been added.
8-14, 8-15	The description of the "Classification" have been corrected.
8-23	The description of the error code "F101_10" has been added.
8-40	The description of the "8.2.9 Notification" has been added.
8-158	The symbol of the transport motor has been corrected.
8-171	The description of the "Step 3" have been corrected.
8-173	The descriptions of the "Step 8" have been corrected.
8-174	The descriptions of the "Step 3" have been corrected.
8-175	The descriptions of the "Step 6" have been corrected.
8-179	Check item of the "CE71" has been added.
8-180	The note has been added.
8-195	The description of the error code "F101_10" has been added.
9-27	The note has been added to the step 9.
9-46	The note has been added to the step 2.
10-12	08-9782 has been deleted.
13-5	The description of "08-6011" have been added to "13.3.2 Setting value change and restrictions when using the Card controller". The description of "13.3.3 Setting value change and restrictions when using the coin controller" has been changed.
14-1	The symbols of various components have been added.
Chapter 15	<05> Added: 2740 Deleted: 7236, 7283, 7284, 7295, 9149 <08> Added: 3642-3, 3642-4, 3642-5, 3678, 3681, 3682-0 to 3, 3683, 3809,3883, 3885, 4615-0 to 27, 6075-0 to 1, 6076-0 to 1, 6244, 8558-0 to 3, 8567, 8568, 8569, 8615, 8616, 8632, 8633-0 to 13, 8634-0 to 1, 8635, 8733-0 to 16, 8737, 9198, 9380, 9565, 9567, 9568, 9569 Default value: 3702, 8524 Acceptable value: 3642-0, 3642-2, 3810, 9037, 9274 RAM: 3702, 7000, 7001, 7300, 7301, 7400, 7500, 9411, 9414, 9564 Contents: 3642-0, 3642-2, 3702, 3810, 6084, 9037, 9229, 9274 Procedure: 9564 Deleted: 6080, 6085-0 to 5, 6088-0 to 1, 6089-0 to 5, 6817, 9945

Ver. 11

Ver11 <2015.05.29>	
Page	Contents
5-61	The section title has been changed. Note has been deleted.
8-35	Error codes 5410 to 5417 have been added.
8-62	The wrong description has been corrected.
8-143	The wrong description has been corrected.
8-259	The descriptions of the troubleshooting for 5410 and 5411 have been added.
8-260	The descriptions of the troubleshooting for 5412 to 5416 have been added.
8-261	The descriptions of the troubleshooting for 5417 have been added.
11-6	The descriptions of "11.2 Firmware Updating with a USB Device" has been changed.
Chapter 15	<08> Added 3669, 3670, 3672, 3677-0~1, 3724-1, 3797, 8999 Changed Acceptable value, Contents 9227~9229, 9384 Subitem, Contents 8987~8989 Item, Details, Contents 8986 Item, Subitem, Sub Code, Details, Contents 3724-0 Deleted 3821, 6090, 6091

Ver. 10

Ver10 <2015.03.31>	
Page	Contents
Trademarks	The description for Windows XP has been deleted.
2-9	The description for Windows XP has been deleted from the Supported OS column.
2-11	The description of "2.2 Accessories" has been corrected.
3-44	The descriptions of "Toner" and "Developer material" have been changed.
5-2	The description of Note has been changed.
5-21	The description of "(6) HDD securely erasing (Erase HDD Securely)" has been changed.
5-48	The descriptions of "1. Outline" and "2. Factors affecting toner consumption" in "5.14 Pixel counter" have been changed (added/deleted).
5-62, 5-63, 5-64	"5.16 Batch Setting for Self-Diagnostic Codes (e-STUDIO5560C/6560C/6570C only)" has been added.
8-4, 8-5	"8.1.3 Traceability label" has been added.
9-50	Explanations have been added to "9.3.1 Precautions for installation of GP-1070" and "9.3.2 Precautions when disposing of the HDD".
11-5	The description in Notes has been changed.
12-10	The description of "12.3.3 Procedure for entering the High Security Mode" has been corrected.
13-6	"13.3.6 Restrictions when using the external counter" has been added.

Page	Contents
Chapter 15	e-STUDIO5560C/6560C/6570C <05> Added: 8002 <08> Added: 3667, 3669, 3670, 3672 to 3674, 3676, 3677, 3724-1, 3797, 6093 to 6100, 8797, 8837 to 8839, 8999-14, 9561 Changed: Sub element: 3820, 3822 to 3826 Details: 7617, 8300, 8723 Contents: 8795, 8986 to 8989 Details, Contents: 6080 Acceptable value, Contents: 9227 to 9229, 9384 Sub element, Item, Subitem, Sub Code, Details, Contents: 3724-0 Deleted: 6075, 6076, 6082, 6090, 6091, 9782

Ver. 09

Ver09 <2015.01.16>	
Page	Contents
General precautions	Notes have been added.
3-29	The numbers for P-I have been corrected.
3-40	The numbers for P-I have been corrected. Part name has been corrected.
3-57	"Chapter 3.7.4" has been added.
3-68	Part name has been corrected.
3-94	The description of version for fuser unit has been added.
5-24	The description of 3C mode has been added.
6-124	Adjustment value has been corrected.
8-193	Explanation for troubleshooting F106 has been added.
8-194	Explanation for troubleshooting F106 has been added.
8-195	Explanation for troubleshooting F106 has been added.
8-204	Explanation for troubleshooting F130 has been changed.
8-293	Sub-code has been corrected.
8-333	Sub-code has been corrected.
8-336	Sub-code has been corrected.
11-6	Unit name has been changed.
11-7	Unit name has been changed.
11-63	Unit name has been changed.
14-3	Unit name has been changed.
14-4	Unit name has been changed. Wire Harness has been changed.
14-5	Unit name has been changed.
Chapter 15	e-STUDIO5540C/6540C/6550C <05> Added: 8002 <08> Added: 3640, 3641, 3642-0, 3642-2, 3643, 3646~3651, 3653, 3657~3659, 3661, 3662, 3666, 3820~3826, 3875, 4017, 4665, 4668~4671, 4744, 8732, 8797, 8833, 8835, 8836 Contents is changed: 9306 Details is changed: 7617, 8300, 8710 Details and Contents are changed: 8537

Ver. 08

Ver08 <2014.08.12>	
Page	Contents
5-26	The "HDD Utility" function has been added.
5-30	The description for "Initialization of log file (HDD Utility)" has been added.
6-12	The description has been corrected.
8-32, 8-33	The messages for the following error codes have been changed: 5012, 5013, 5014, 5015, 5016, 5017, 5018, 5019, 501A, 501B, 5030, 50FF
8-37	The following error codes have been added: 8111, 8112, 8121, 8122, 8123, 8124, 8125, 8126, 8127, 8128, 8129, 812A, 812B
8-38	The description has been corrected. "Center fold" has been added for the Sort mode/staple mode.
8-132	The troubleshooting for C900 has been corrected.
8-133	The troubleshooting for C962 has been corrected.
8-158	The description has been corrected.
8-175	The troubleshooting for C370 has been corrected.

Page	Contents
14-3	The DC wire harness has been changed.
14-4	The DC wire harness has been changed.
Chapter 15	<p>e-STUDIO5540C/6540C/6550C <05> Default value has been changed: 4529-6, 7342 RAM has been changed: 2742, 3033 <08> Element has been changed: 3800-0, 4608, 4659, 8967,9343 Subitem has been changed: 9973, 9975 Details have been changed: 8537, 9344 Default value has been changed: 3802, 9229, 9684, 9798, 9846, 9886, 9889 Acceptable value has been changed: 3817, 4547, 9100, 9798 RAM has been changed: 8947 Contents have been changed: 3802, 3817, 6314-0, -2, -3, -5 to 8, 6316-0, -2, -3, -5 to 8, 6318-0, -2, -3, -5 to 8, 6320-0, -2, -3, -5 to 8, 6328-0, -2, -3, -5 to 8, 8304-1, -2, 8777, 8778, 8779, 9012, 9100, 9229, 9305, 9306, 9584, 9585, 9846, 9886</p> <hr/> <p>e-STUDIO5560C/6560C/6570C <05> Default value has been changed: 4529-6, 7342 RAM has been changed: 2742, 3033 <08> Element has been changed: 3800-0, 4608, 4659, 8967, 9343 Subitem has been changed: 9973, 9975 Details have been changed: 8537, 9344 Default value has been changed: 3802, 8789, 9229, 9684, 9798, 9846, 9886, 9889 Acceptable value has been changed: 3817, 4547, 9100, 9798 RAM has been changed: 8947 Contents have been changed: 3640, 3641, 3802, 3817, 4586, 6314-0, -2, -3, -5 to 8, 6316-0, -2, -3, -5 to 8, 6318-0, -2, -3, -5 to 8, 6320-0, -2, -3, -5 to 8, 6328-0, -2, -3, -5 to 8, 8304-1, -2, 8777, 8778, 8779, 8830-0, 9012, 9100, 9229, 9305, 9306, 9584, 9585, 9846, 9886 Procedure has been changed: 4668-0 to 3, 4669-0 to 3, 4670-0 to 3, 4671-0 to 3 Addition: 3657, 3658, 3659, 3661, 3662, 3666, 4017, 4744, 8836</p>

Ver. 07

Ver07 <2014.05.09>	
Page	Contents
GENERAL PRECAUTIONS	The description has been changed.
3-42	The model names for the respective toners have been corrected.
3-44	The model names for the respective toners have been corrected.
3-95	The description has been corrected.
4-145	The description has been corrected.
5-9	The procedure 5 has been added.
5-19	The notes have been added.
5-20	The note has been added.
5-28	The note has been added.
5-32	The note has been added.
5-34	The file extension for "JOB LOG/MESSAGE LOG" has been deleted.
6-47	The contents of "ADF noise reduction (Copying Function)" have been changed.
6-78	The contents of "ADF noise reduction (Scanning Function)" have been changed.
7-6	The note has been corrected.
8-34	The error code "6014" has been added.
8-137	The connector "CN212" has been changed to "J212".
8-153	The self-diagnosis code has been corrected. (08-4548)
8-161	The step No. has been changed.
8-162	05-2740 has been deleted. The step Nos. have been changed.
8-163	The step Nos. have been changed.
8-164	05-2740 has been deleted. The step Nos. have been changed.
8-165	The step Nos. have been changed.
8-256	The error code has been corrected.
8-259	The troubleshooting for 6014 has been added.
8-286	The troubleshooting for M00 has been added.
8-316	The self-diagnosis code has been corrected. (08-4663)
8-322	The self-diagnosis code has been corrected. (08-4663)
9-5	The note has been added.
9-16	The note has been added.
9-25	The notes have been added.
9-35	The note has been added.
9-46	The following codes have been deleted. 05-2622, 05-2623, 05-2624, 05-2625
11-14	The description has been added.
12-3	The note has been added.
14-3	The connector "CN212" has been changed to "J212".
14-4	The connector "CN212" has been changed to "J212".

Page	Contents
Chapter 15	<03> Addition: Output check 209~211 <05> Default value has been Changed: 4529-6 Sub element has been Changed: 7150~7152, 7400~7404, 7693, 7694, 8412, 8414~8416 <08> Addition: 3640, 3642-0, -2, 3643, 3653, 3875, 4665, 4668-0~3, 4669-0~3, 4670-0~3, 4671-0~3, 8732, 8830-2, 8835, 3646~3651, 8833 Sub element has been Changed: 7617, 8300 Details have been changed: 8710 Default value has been changed: 9974, 9975

Ver. 06

Ver06 <2014.01.28>	
Page	Contents
Cover	Model names have been added.
Trademarks	Supported OS (Windows 8) have been added.
General Precautions	The description has been added.
1-1	The description of the FEATURE has been added. (for e-STUDIO5560C/6560C/6570C)
2-2	The description of the HDD has been added. (for e-STUDIO5560C/6560C/6570C)
2-3 to 2-8	Model information has been added.
2-9	Supported OS (Windows 8) have been added.
2-11	Model information has been added.
2-12	Model information has been added.
2-13	The description of the System List has been added. (for e-STUDIO5560C/6560C/6570C)
3-23	Model information has been added.
3-27	The illustration for "Fig. 3-26" has been changed.
3-30	Model information has been added.
3-32	Model information has been added.
3-37	Model information has been added.
3-38	The PC boards "P-INV" has been deleted.
3-39	Model information has been added.
3-44 to 3-45	Model information has been added.
3-47	Model information has been added.
3-57	Model information has been added.
3-58	The illustration for "Fig. 3-31" has been added.
3-65	The General Description has been changed.
3-80 to 3-81	Model information has been added.
3-93	Model information has been added.
3-97	The illustrations have been added.(Fuser unit control circuit)
3-123	Model information has been added.
4-1	The illustration for "Fig. 4-2" has been changed.
4-10 to 4-12	The illustration for "Fig. 4-27" has been changed.
4-38	The description and illustration for "Fig. 4-106" has been changed.
4-48	The description and illustration for "Fig. 4-136" has been changed.
4-50	The description and illustration for "Fig. 4-141" has been changed.
4-72	Model information has been added.
4-73	The description has been added. (for e-STUDIO5560C/6560C/6570C)
4-74 to 4-75	The description has been added. (for e-STUDIO5560C/6560C/6570C)
4-99	Model information has been added.
4-104	Model information has been added.
4-107	Model information has been added.
4-109	Model information has been added.
4-133	The description and illustration for "Fig. 4-389" has been changed.
4-135	The note has been added. The Fig.4-395 have been changed.
4-137	The description and illustration for "Fig. 4-402" has been changed. The illustration for "Fig. 4-403" has been added.
4-138	The description has been changed.
4-141	The illustration for "Fig. 4-412" has been changed.
4-156	Model information has been added.
4-237	The Notes text has been added.
4-252 to 4-253	The Notes text has been added.

Ver06 <2014.01.28>	
Page	Contents
4-254 to 4-255	The description of the "Interlock switch (SW2)" has been added.
5-10	The descriptions of the "Procedure 5" have been added.
5-33 to 5-34	Codes for the list print have been added.
5-46	The description and the notes has been added.
5-60	Codes for the setting mode (08) have been added.
6-1	Model information has been added.
6-5	The description has been added.
6-11	Model information has been added.
6-14	Model information has been added.
6-31 to 6-32	Model information has been added.
6-41	The Notes text has been changed.
6-47	The description of the "ADF scan noise reduction (Copying Function)" has been added.
6-63	The value of the "Red Seal Color" has been added.
6-65	The default values of 05-7305 have been added. (for e-STUDIO5560C/6560C/6570C)
6-77	The description of the "ADF scan noise reduction (Scanning Function)" has been added.
6-79	The default values of 05-7594-0 to 7594-4 have been added. (for e-STUDIO5560C/6560C/6570C)
7-15	Model information has been added.
7-22	The illustration for "Fig. 7-19" has been changed.
7-44 to 7-72	The description of the Preventive Maintenance Checklist has been changed.(for e-STUDIO5560C/6560C/6570C)
7-74	The description of the PM-KIT for "FLTR-KIT-FC55" has been added.
7-75	Model information has been added.
7-77	Model information has been added.
7-78	The description of the "7.13 Machine Refreshing Checklist" has been added.
8-2	Model information has been added.
8-33	The description of the troubleshooting for 6013 has been added.
8-109	The description of the troubleshooting for C130,C140,C150 and C160 has been changed.
8-119	The description of the troubleshooting for C471,C472 has been changed.
8-259	The description of the troubleshooting for 6013 has been added.
8-277	Model information has been added.
8-278	Model information has been added.
8-285	The description of the troubleshooting has been added.
8-293	The description of the troubleshooting for "Background fogging" has been changed.
9-9	Model information has been added.
9-11 to 9-13	The disassembly and replacement procedures in "9.1.11 HDD" have been added. (for e-STUDIO5560C/6560C/6570C)
9-28	The description has been changed.
10-1	The description has been changed.
10-10	The description has been changed.
11-1	In "Firmware Update Procedure", the contents of PFC ROM have been added.
11-3	The illustration for "Fig. 11-2" has been changed.
11-6	The illustration for "Fig. 11-4" has been changed.
11-7	The description of the firmware updating has been added. (for e-STUDIO5560C/6560C/6570C)
11-9	"Unicode Font Enabler(GS-1007)" has been added.
11-11	Model information has been added.
11-13	The error number H04 has been added.
11-24	The illustration for "Fig. 11-17" has been changed.
11-25	In "Patch Update Procedure", the contents of firmware type and file name have been added. (for e-STUDIO5560C/6560C/6570C)

Ver06 <2014.01.28>

Page	Contents
11-27	"Unicode Font Enabler(GS-1007)" has been added.
11-29	Model information has been added.
11-32	The error number "H04" has been added.
11-33 to 11-34	In "Firmware Update Procedure", the contents of the download jig have been added.
11-37	Model information has been added.
11-40	The illustration has been deleted.
11-41	The illustration for "Fig. 11-31" has been changed.
11-42 to 11-43	In "Firmware Update Procedure", the contents of PFC ROM have been added.
12-10	The description has been changed.
13-1 to 13-3	The description has been changed.(electric parts name added)
13-5	The description has been changed.
14-1	The illustration for "AC wire harness" has been changed.
14-4	The illustration for "DC wire harness circuit" has been added. (for e-STUDIO5560C/6560C/6570C)
14-5	The illustration for "Electric parts layout" has been changed.
Chapter 15	<p>04-33 has been added.</p> <p>05-2662-0~3, 3009, 3350, 4837-0, -1, 7150, 7151, 7152, 7400, 7401, 7402, 7403, 7404, 7693, 7694, 8412, 8414, 8415, and 8416 have been added.</p> <p>The default values of 05-4529-5, -6 have been changed.</p> <p>08-2682-0 to 1, 3025, 3075, 3673, 3638, 3639, 3644, 3652, 6088-0 to 1, 6089-0 to 5, 6090, 6091, 6977, 7300, 7617, 8300, 8598, 8642, 8643, 8644, 8645, 8646, 8647, 8648, 8649, 8650, 8651, 8652, 8653, 8654, 8655, 8656, 8657, 8658, 8659, 8660, 8661, 8662, 8663, 8664-0 to 2, 8667, 8668, 8670, 8671-0 to 2, 8672-0 to 2, 8673, 8674, 8727, 8728-0 to 13, 8729, 8730, 8735, 8736, 8754, 8755, 8756-0 to 1, 8758, 8762-0 to 3, 8771, 8774, 8781, 8785, 8786-0 to 1, 8788, 8789, 8790, 8792, 8795, 8831, 9254, 9255, 9963, and 9967 have been added.</p> <p>The acceptable value of 08-3623 has been changed.</p> <p>The acceptable values and contents of 08-4015, 9016, 9017, and 9805 have been changed.</p> <p>The contents of 08-4131, 7000, 8981, 9022, 9112, and 9379 have been changed.</p> <p>The item, details, and contents of 08-6080 have been changed.</p> <p>The sub-element, item, sub-item, details, default value, and contents of 08-6081-0 have been changed.</p> <p>The sub-element, item, sub-item, default value, and contents of 08-6081-1 have been changed.</p> <p>The sub-element, item, details, and contents of 08-6084 have been changed.</p> <p>The sub-element, item, sub-item, details, and contents of 08-6085-0 to 5 have been changed.</p> <p>The default value of 08-8520 has been changed.</p> <p>The details of 08-9398 have been changed.</p>

Ver. 05

Ver05 <2013.10.15>	
Page	Contents
General Precautions	"3. General operations" has been added.
2-11	The model name of e-BRIDGE ID Gate has been corrected.
4-166	The note has been added.
4-168, 4-169	The note has been added.
5-13	Code #5 has been added.
5-22	The description has been changed.
5-24	The description has been changed.
5-27	The description has been changed.
5-28	The description has been changed.
5-54, 5-55	The list format has been corrected.
5-59	The description has been corrected.
6-1	Fig. 6-1 has been changed.
6-2	Toner density ratio manual offset control (08-2707) has been deleted.
6-31	The description has been corrected.
6-32	The value "7714" has been corrected to "7114".
6-42	Black reproduction switching at the Twin color copy mode (05-7937) has been deleted.
6-44	ACS Black (05-7675) has been deleted.
6-45	The description has been corrected.
6-49	The description has been corrected.
6-51	The description has been corrected.
6-64	Twin color (1200dpi) has been deleted.
6-67	"The original mode "Text" (05-7486-0, 05-7486-1, 05-7486-2) has been deleted. The value "74850-2" has been corrected to "7485-2".
6-73	The density adjustment of background for RADF scanning (05-7468, 05-8395) has been deleted.
6-75	The value "7544" has been corrected to "7534".
6-116	The description has been changed.
6-118	The description has been changed.
7-45	"Product name" has been changed to "P-I" of the parts list.
8-2	The description has been added.
8-21	The contents of F101 have been changed.
8-22	The contents of F106 have been changed.
8-33	Error codes (5030 and 50FF) have been added.
8-37, 8-38	The description has been corrected.
8-112	The troubleshooting for C260 has been changed.
8-113	The troubleshooting for C270 and C280 has been changed.
8-114	The troubleshooting for C290 has been changed.
8-126	A description of the troubleshooting for F070/F110/F111 has been added.
8-135	A description of the troubleshooting for CA20 has been added.
8-183 to 8-189	Contents of the troubleshooting for F101 have been added.
8-192, 8-193	The contents of F106 have been changed.
8-255	Troubleshooting items (5030 and 50FF) have been added.
8-282	Troubleshooting items have been added.
8-336	The description regarding 08-2707 has been deleted.
9-25	The description has been changed.

Page	Contents
Chapter 15	<p>03-301 to 322 have been added.</p> <p>05-2670-0 to 3, 2963-0 to 1, 2966-0 to 1, and 8244-0 to 1 have been added.</p> <p>05-2714-0 to 3, 7468, 7486-0 to 2, 7675, 7937, and 8395 have been deleted.</p> <p>The default values of 05-3040, 4100-2, and 4122-2 have been changed.</p> <p>The subitems of 05-4016-0 to 3, 4520-0 to 3, 4523-0 to 6, 4526-0 to 3, 4529-0 to 6, 4532-0 to 3, 4535-0 to 6, 4740-0 to 3, 4741-0 to 3, 4742-0 to 3, 4743-0 to 6, 4744-0 to 6, 4745-0 to 6, 4746-0 to 6, 4747-0 to 3, and 4762-0 to 3 have been changed.</p> <p>The contents of 05-7252 have been changed.</p> <p>08-2120-0 to 5, 2492, 2494, 2681, 2682-0 to 1, 2685, 2707-0 to 3, 4615-0 to 27, 6020-0 to 2, 6021-1, 6022-2, 6023-2, 6024-8, 6025-0, 6026-1, 6040-1A`2, 6041-2, 6042-2, 6043-7, 6044-8, 6045-0, 6050-1, 6051-2, 6909-0 to 3, 6910-0 to 3, 6911-0 to 3, 6912-0 to 3, 6940-0 to 3, 6941-0 to 3, 6942-0 to 3, 6943-0 to 3, 6944-0 to 3, 6945-0 to 3, 6946-0 to 3, 8011, 8530-0 to 2, 8531-0 to 2, 9380, 9482, 9483, 9484, 9485, and 9520 have been deleted.</p> <p>08-2513-0 to 3, 2514-0 to 3, 2515, 2525-0 to 3, 2526-0 to 3, 2527, 2547-0 to 3, 5156-0 to 3, 5810-0 to 3, 5811-0 to 3, 6060-1, 6062-1, 6064-1, 6066-1, 6068-1, 6070-1, 6249-0 to 3, 6451-6, 6452-6, 6453-6, 6454-6, 8520, 8521, 8623-0, 8628, 8640, 8641, 8761, 8775, 8776, 8777, 8778, 8779, 8780, 8782, 8783, 8825, and 8942 have been added.</p> <p>The contents of 08-3500, 3501, 3502, 3864, 4686, and 9987 have been changed.</p> <p>The acceptable values and contents of 08-3724, 5155, and 9307 have been changed.</p> <p>The default values of 08-8523 and 9486 have been changed.</p>

Ver. 04

Ver04 <2012.07.06>	
Page	Contents
2-8	"Bluetooth" has been deleted.
2-10	The operator's manual pocket has been deleted from the accessory list.
2-11	The operator's manual pocket has been added to "2.3 System List". "Hardcopy Security Kit" has been added to Fig. 2-1. "Bluetooth Module" has been deleted from Fig. 2.1 and the notes.
5-1	An explanation about "Appendix" has been added to "[A] Starting each mode" in 5.1.
5-5	"CHART PRINT MODE" has been added to the list in 5.2.1.
5-20	"Password" has been added to the title of step (8).
5-60	"5.15 PM support mode related code" has been deleted.
8-2	"8.1.2 Collection of debug log with USB media" has been added.
8-20	F101_0 to F101_3 have been added and the description of F101 has been corrected.
8-21	F109_5 and F109_6 have been added. F120 and F140 have been added. The descriptions of F121 and F122 have been corrected. F131 has been added.
8-30	4F10 has been added.
8-114	"400" in C448 has been changed to "2002".
8-118	"400" in C481 has been changed to "2002".
8-178	The descriptions of F100_0 and F100_1 have been corrected.
8-179	The description of F100_2 has been corrected.
8-180	Descriptions of F101_0 to F101 have been added.
8-182	F101 has been removed to 181 pages. The descriptions of F102 to F105 have been corrected.
8-184	The description of F109_0 has been corrected.
8-185	The descriptions of F109_1 and F109_2 have been corrected.
8-186	The descriptions of F109_3 and F109_4 have been corrected. Descriptions of F109_5 to F120 have been added.
8-192	The descriptions of F121 and F122 have been corrected.
8-193	The "Replacement parts" table of F124 has been deleted. Descriptions of F131 and F140 have been added.
8-242	A description of 4F10 has been added.
9-9	"9.1.10 Hard disk (HDD)" has been corrected.
9-23	A note has been added to 9.2.3.
9-28	The notes in "[A] Return License" has been corrected.
9-29	The description of "[C] Update system ROM version (Jig)" has been changed. The description of "[E] Restore ADI key" has been changed.
9-31	"Note" has been added to "[I] Check ROM versions".
9-33	Fig. 9-59 has been corrected and a notes has been added.
9-36	"[G] Backup ADI key" has been added.
9-38	The description of "[L] Enable HDD encryption" has been corrected.
9-48	The description of 9.3.1 has been corrected and a description of 9.3.2 has been added.
11-1	The "Updating method" column of the engine ROM has been changed.
11-3	The ROM table has been changed.
11-31	A description of the engine ROM has been added to the table. Descriptions of [B], [B-1] and [B-2] have been added.
11-34	The update procedure of the system ROM has been corrected.
11-37	"11.3.3 Engine ROM" has been added.

Ver04 <2012.07.06>	
Page	Contents
Appendix	08-3631, 5608-0 to 8, 5609, 5610-0 to 8, 5611, 6087, 6250-0 to 8, 6251, 6252-0 to 8, 6253, 6254-0 to 8, 6255, 6256-0 to 8, 6257, 6258-0 to 8, 6259, 6260-0 to 8, 6261, 6262-0 to 8, 6263, 6264-0 to 8, 6265, 6268-0 to 8, 6269, 6270-0 to 8, 6271, 6274-0 to 8, 6275, 6276-0 to 8, 6277, 6278-0 to 8, 6279, 6280-0 to 8, 6281, 6282-0 to 8, 6283, 6284-0 to 8, 6285, 6286-0 to 8, 6287, 6288-0 to 8, 6289, 6290-0 to 8, 6291, 6292-0 to 8, 6293, 6294-0 to 8, 6295, 6296-0 to 8, 6297, 6298-0 to 8, 6299, 6300-0,2,3,5 to 8, 6301, 6302-0,-2,-3,-5 to 8, 6303, 6304-0,-2,-3,-5 to 8, 6305, 6306-0,-2,-3,-5 to 8, 6307, 6308-0 to 8, 6309, 6314-0 to 8, 6315, 6316-0 to 8, 6317, 6318-0 to 8, 6319, 6320-0 to 8, 6321, 6328-0 to 8, 6329, 6332-0 to 8, 6333, 6340-0 to 8, 6341, 6342-0 to 8, 6343, 6350-0 to 8, 6351, 6370-0 to 8, 6371, 6372-0 to 8, 6373, 6374-0 to 8, 6375, 6376-0 to 8, 6377, 6382-0 to 2,-8, 6383, 6384-0 to 2,-8, 6385, 6386-0 to 2,-8, 6387, 6388-0 to 2,-8, 6389, 6390-0 to 2,-8, 6391, 6392-0 to 2,-8, 6393, 6394-0 to 2,-8, 6395, 6396-0 to 2,-8, 6397, 6398-0 to 2,-8, 6399, 6400-0 to 2,-8, 6401, 6402-0 to 2,-8, 6403, 6404-0 to 2,-8, 6405, 6406-0 to 2,-8, 6407, 6408-0 to 2,-8, 6409, 6410-0 to 2,-8, 6411, 6412-0 to 2,-8, 6413, 6414-0 to 2,-8, 6415, 6416-0 to 2,-8, 6417, 6420-0 to 2,-8, 6421, 6422-0 to 2,-8, 6423, 6424-0 to 2,-8, 6425, 6428-0 to 2,-8, 6429, 6430-0 to 2,-8, 6431, 6432-0 to 2,-8, 6433, 6482-0 to 8, 6483, 6484-0 to 8, 6485, 8624, 8631, 8738, 8744, 8745, 8746, 8748, 8749, 8824, 8900-0 to 3, 9158-0,-1, 9159-0,-1, 9294, 9954, 9985 have been changed. The default values of 08-9484, 9485, 9487, 9614, 9615, 9616, 9617, 9618, 9619, 9620, 9730 have been changed. The acceptable values and contents of 08-9898, 9899 have been changed. The contents of 08-3500, 8303, 9132, 9290, 9310 have been changed.

Ver. 03

Ver. 03 <2011.12.22>	
Page	Contents
2-9	The message size limitation is corrected to 100 MB from 30 MB.
5-19	The menu explanation in 3C mode has been added.
5-22	The item of 4C mode explanation has been changed into a bullet from a number.
5-31	The item of 6C mode explanation has been changed into a bullet from a number.
8-22	The "F124" has been added.
8-23	In the troubleshooting for [F500] to [F900] has been move to "other service call".
8-193	The "F124" has been added.
8-194	In the troubleshooting for [F500] and [F510] has been move to "other service call".
8-195	In the troubleshooting for [F520] and [F521] has been move to "other service call".
8-196	In the troubleshooting for [F550] has been move to "other service call".
8-197	In [F600], the contents of the measures have been changed.
8-197	In the troubleshooting for [600], [F700], [F800] and [F900] has been move to "other service call".
8-198	In [F900], the contents of the measures have been changed.
9-26	Procedures of the SYS board replacement had been changed.
9-27	Procedures of the SYS board replacement had been changed.
9-28	Procedures of the SYS board replacement had been changed.
9-29	Procedures of the SYS board replacement had been changed.
9-30	Procedures of the SYS board replacement had been changed.
9-31	Procedures of the SYS board replacement had been changed.
9-33	Procedures of the SYS board replacement had been changed.
9-34	Procedures of the SYS board replacement had been changed.
9-43	Explanation of the master data has been changed.
11-63	Explanation of the master data has been changed.
Appendix	The illustration of PM sticker was added.

Ver. 02 <2011.11.30>	
Page	Contents
2-12	The drum for China has been added.
	Toner cartridges for Argentina have been added.
5-1	“HDD assist mode” and “SRAM clear mode” have been added to the list of modes.
	The reference page sentence has been deleted from the contents for “Assist mode” in the list of modes.
5-2	The Note text has been added to the list of modes.
5-3	The “Assist mode (3C)” section has been added.
	The “HDD assist mode (4C)” section has been added.
	The “SRAM clear mode (6C)” section has been added.
5-18	The “Assist Mode (3C)” section was moved from 12.3 to 5.9.
5-21–5-24	Section 5.10 HDD Assist Mode (4C) has been added.
5-30–5-31	Section 5.12 SRAM Clear Mode (6C) has been added.
5-43	The Note text has been added.
7-45	“FLTR-TONER-430_N” has been corrected to “FLTR-TONER-130-TYB”.
8-16	In CA00, “Image position alignment abnormality” has been changed to “Color registration abnormality”.
8-22	The “F106_0”, “F106_1”, “F106_2”, “F106_3”, “F106_4”, and “F106_5” error codes have been added.
8-23	In [F510], “Software boot-up error” has been changed to “Application start error”.
	In [F520], “Software boot-up error” has been changed to “Operating system start error”.
8-125	The [C4B1] error item has been added to the troubleshooting.
8-137	In the troubleshooting for [F500], “[START]” has been changed to “[POWER]”.
	In [F510], “Software start error” has been changed to “Application start error”.
	In [F510], the contents of the measures have been changed.
	In [F520], “Software start error” has been changed to “Operating system start error”.
8-138	In [F520], the contents of the measures have been changed.
8-139	In the troubleshooting for [F900], “[START]” has been changed to “[POWER]”.
8-162	In [CA00], “Image position alignment abnormality” has been changed to “Color registration abnormality”.
8-192–8-194	The troubleshooting for [F106_0], [F106_1], [F106_2], [F106_3], [F106_4], and [F106_5] has been added.
8-197	“Recover the license on the SYS board” has been changed to “Transfer license from SRAM to FROM”.
	“Recover the license on the SRAM board” has been changed to “Transfer license from FROM to SRAM”.
8-198	In the troubleshooting for [F121] and [F122], “[START]” has been changed to “[POWER]”.
8-208	In the troubleshooting for [2B11], [2B20], [2B30], [2BC0], [2B31], [2B50], and [2B90], “[START]” has been changed to “[POWER]”.
8-209	In the troubleshooting for [2B51] and [2BA0], “[START]” has been changed to “[POWER]”.
8-213	In the troubleshooting for [2C10] and [2C32], “[START]” has been changed to “[POWER]”.
8-215	In the troubleshooting for [2C20], [2C21], and [2C22], “[START]” has been changed to “[POWER]”.
8-221	In the troubleshooting for [2D10], [2D32], [2DA6], and [2DA7], “[START]” has been changed to “[POWER]”.
8-223	In the troubleshooting for [2D40], “[START]” has been changed to “[POWER]”.
8-226	In the troubleshooting for [2E10], “[START]” has been changed to “[POWER]”.
8-228	In the troubleshooting for [2E32], “[START]” has been changed to “[POWER]”.
8-250	In the troubleshooting for [6121], “[START]” has been changed to “[POWER]”.
8-253	In the troubleshooting for [71AC], “[START]” has been changed to “[POWER]”.

Ver. 02 <2011.11.30>	
Page	Contents
9-30	"[GD-1250]" has been corrected to "[GD-1270]".
9-32	"If there are backup data of the SRAM" has been changed to "If there is SRAM backup data".
	The Remarks text in [E] Restore SRAM has been changed.
	Step (11) in [E] Restore SRAM has been changed.
Appendix	Table 5 has been changed. 08-6080, 6081-0, 6081-1, 6085-0 to 5, and 6086 have been deleted. 08-8718 and 8719 have been added. The contents of 08-3629 and 9987 have been changed.

Ver.01

Ver.01 <2011.09.30>	
Page	Contents
Cover	The illustration has been changed.
Trademarks	Text has been deleted from the copyright information.
2-10	A description of the manual types and quantities has been added.
	A description of the CD contents has been added.
	Notes text has been added.
3-119	Items have been added to the +24VD3 parts.
4-44	Text for 4.4.8 has been added.
4-48	The screw quantity has been changed from 5 screws to 4 screws.
	Two callout lines have been added to the illustration.
4-197	The Notes text and illustrations have been added.
5-1	"Assist mode" and "File system recovery mode" have been added to the list of modes.
5-2	The illustration has been changed.
5-4-5-6	In 5.2, all of the text has been changed.
5-18	In 5.9, all of the text has been changed.
5-20	One sentence has been deleted from the Notes.
5-21	In Remark, the contents have been changed.
5-57	The headings of the table have been centered. "08" has been added before the codes.
6-6	"05-396" has been changed to "05-2742".
6-92	"05-396" has been changed to "05-2742".
8-6	One sentence has been deleted from the contents for E550.
8-15	"Fuser unit releasing operation abnormality" has been changed to "Fuser pressure release abnormality".
	"Fuser unit contacting operation abnormality" has been changed to "Fuser pressure contact abnormality".
8-22	The error code "F120" and its contents have been deleted.
8-36	The error code "6131" and its contents have been added.
8-39	Section 8.2.9 Other Messages has been deleted.
8-67	In [E030], the contents of the table have been changed.
8-68	The table has been deleted.
8-70	In [E090], "Page memory" has been added to the check items.
8-72	In [E550], "Replace parts" has been added.
	The table for the sensor has been deleted.
8-73	In [E551]/[E552], the contents of the error item have been changed.
	"LGC" has been changed to "PFC".
	A table has been added.
8-74	The "Replace parts" table has been deleted.

Ver.01 <2011.09.30>	
Page	Contents
8-125	In [C4E0], "Fuser unit releasing operation abnormality" has been changed to "Fuser pressure release abnormality".
	In [C4E1], "Fuser belt thermopile abnormality" has been changed to "Fuser pressure contact abnormality".
	The contents for the thermopile have been deleted from the table.
	A sentence has been added to Fuser unit in the table.
	The "other" contents have been deleted from the table.
	In [C4E2], "Fuser unit" has been added.
8-127	In the [C570] title, "CNV board" has been changed to "CNV CPU".
	In the table, "CNV board" has been changed to "Harness (MFP - Finisher)".
	In the [C580] title, "CNV board" has been changed to "CNV CPU".
	In the table, "CNV board" has been changed to "LGC board".
	"Harness check" has been added.
8-135	The contents of measure 2 for Setting have been changed.
8-136	"Start" has been changed to "Power".
8-137	"Start" has been changed to "Power".
8-138	In [F900], the contents have been changed.
	Item 2 in the Remarks has been deleted.
8-139	In the measures for the error message, the reference page text has been added.
	In "Key Null", "equipment replacement" has been deleted.
8-141	In [CA47], "CN327" has been changed to "CN321".
8-142	In 8.3.20 [CB00]/[CB01], the contents have been changed.
8-158	"Converter PC board (CNV)" has been deleted.
8-173	In [CE42], the error contents for the HDD have been revised.
8-188	Supplementary information about powering on using [4]+[9] has been added.
	One sentence has been deleted from the Remarks.
	"[3]+[CLEAR]→Power ON" has been changed to "[3]+[C]→[POWER]".
8-189	"Replace the equipment" has been deleted.
8-191	Supplementary information about powering on using [4]+[9] has been added.
	One sentence has been deleted from the Remarks.
	"equipment replacement" has been deleted from the table.
	"[START]" has been changed to "[POWER]".
	"Replace the equipment" has been deleted.
8-192	One sentence has been deleted from the Remarks.
	"equipment replacement" has been deleted from the table.
	Supplementary information about powering on using [4]+[9] has been added.
	The equipment replacement/disposal text has been deleted.
	"Replace the equipment" has been deleted.
	"[START]" has been changed to "[POWER]".
8-192	In [F120], the item for the database abnormality has been deleted.
8-195	The information enclosed by parentheses for the initialization has been changed.
8-243	In [5C22], the contents of the measures have been changed.
8-245	The section for "[6131] MFP fail to verify clock with Time Server" has been added.
8-247	"[START]" has been changed to "[POWER]".
8-257	Section 8.3.30 Other Errors has been deleted.
8-291	"Pre registration guide" has been changed to "registration guide".
8-305	"Pre registration guide" has been changed to "registration guide".
9-19	"F120" has been changed to "F121 or F122".
9-22	In [B], the contents have been changed.
9-32	[E] has been changed to [F].

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Page	Contents
9-33	The title shown in the text in [I](2)1 has been changed.
9-37	Some of the text has been deleted.
9-42	“board” has been deleted from “Converter board”.
9-45	Section 9.3.4 has been added.
10-2	In (3), the contents have been changed.
11-1	“Download jig” has been deleted from PFC ROM and Engine ROM.
11-3	“PFC ROM” and “Engine ROM” have been deleted from the illustration.
	“PFC ROM” and “Engine ROM” have been deleted from the table.
11-31	In the table for the equipment, the “engine firmware” and “PFC ROM” items have been deleted.
11-33	In [B], some text has been deleted.
11-35	Sections 11.3.3 and 11.3.4 have been deleted.
11-36	“Converter PC board” has been changed to “LGC board”.
11-54	“board” has been deleted from “Converter board”.
11-55	In (3), “PFC ROM” and “Engine ROM” have been deleted from the text and table.
12-7	In [B], the text has been changed.
12-10	“and scrambler board are” has been deleted from the Notes.
12-10	Section 12.3 has been changed.
12-13	In 12.4.2, two explanatory sentences have been added.
	The installation method for the GP-1070 has been added.
	The ROM version has been added.
12-14	Text has been added.
14-1	The wire harness diagram has been changed.
14-2	The wire harness diagram has been changed.
Appendix	<p>05-2905-0, 7640 have been added.</p> <p>The default value of 05-3040 has been changed.</p> <p>08-3628, 3629, 6085-0, 6085-1, 6085-2, 6085-3, 6085-4, 6085-5, 6086, 7051-0, 7051-1, 7051-2, 7051-3, 7051-4, 7051-5, 7051-6, 7051-7, 7051-8, 7052-0, 7052-1, 7052-2, 7052-3, 7052-4, 7052-5, 7052-6, 7052-7, 7052-8, 7352-0, 7352-1, 7352-2, 7352-3, 7352-4, 7352-5, 7352-6, 7352-7, 7352-8, 7354-0, 7354-1, 7354-2, 7354-3, 7354-4, 7354-5, 7354-6, 7354-7, 7354-8, 8585, 8586, 8587, 8592, 8593, 8597, 8600, 8603, 8710, 8711, 8712, 8977-0, 8977-1, 8977-2, 8981, 8982, 8983, 9984 have been added.</p> <p>The default values of 08-9379, 9380 have been changed.</p> <p>The details of 08-9505 has been changed.</p> <p>The acceptable value and contents of 08-9628 have been changed.</p> <p>The default value and acceptable value of 08-9723 have been changed.</p> <p>08-9127, 9294, 9893 have been deleted.</p>

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